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Part V. Kinki District.

December, 1954

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Gravity Survey along the Lines of Precise Levels throughout Japan by Means of a WORDEN Gravimeter.

Part V. Kinki District.

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(Read March 17, 1953.—Received Sept. 20, 1954.)

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1. Introduction

Since the spring of 1951, the writers have been engaged in the gravity survey along the lines of precise levels throughout Japan by means of a WORDEN gravimeter.

The net work of the lines of precise levels covers the whole country pretty densely as shown in Fig. 1 of Part I, and the bench marks are laid at an average distance of 2 km. along these level lines. We are measuring the gravity value at every other one of the bench marks. The results that were obtained in the Shikoku and Chûgoku districts were already published as Parts I and II of these serial reports (TSUBOI et al.: 1953, 1954).

The present report is the fourth of them and is concerned particularly with the results obtained in the Kinki District (TSUBOI et al.: 1953).

2. Lines of Precise Levels in the Kinki District

The Kinki District occupies the middle western part of Honshû, the main island of Japan (Fig. 9). The district is approximately 33,000 km^2 in area and comprises seven administrative prefectures, viz. (23) Mie, (24) Shiga, (25) Kyôto, (26) Ôsaka, (27) Hyôgo, (28) Nara and (29) Wakayama. The lines of precise levels in this district, along which we measured gravity values are shown in Fig. 1 with the prefecture boundaries. The lines are altogether about 2,000 km. in length, and at 480 points along them, the gravity values were determined. In this number are included several identifiable points, such as local weather stations, of which the

Table I.
Number of Gravimeter Stations.

Prefecture	Number
(23) Mie	89
(24) Shiga	48
(25) Kyôto	93
(26) Ôsaka	31
(27) Hyôgo	93
(28) Nara	30
(29) Wakayama	96
Total	480

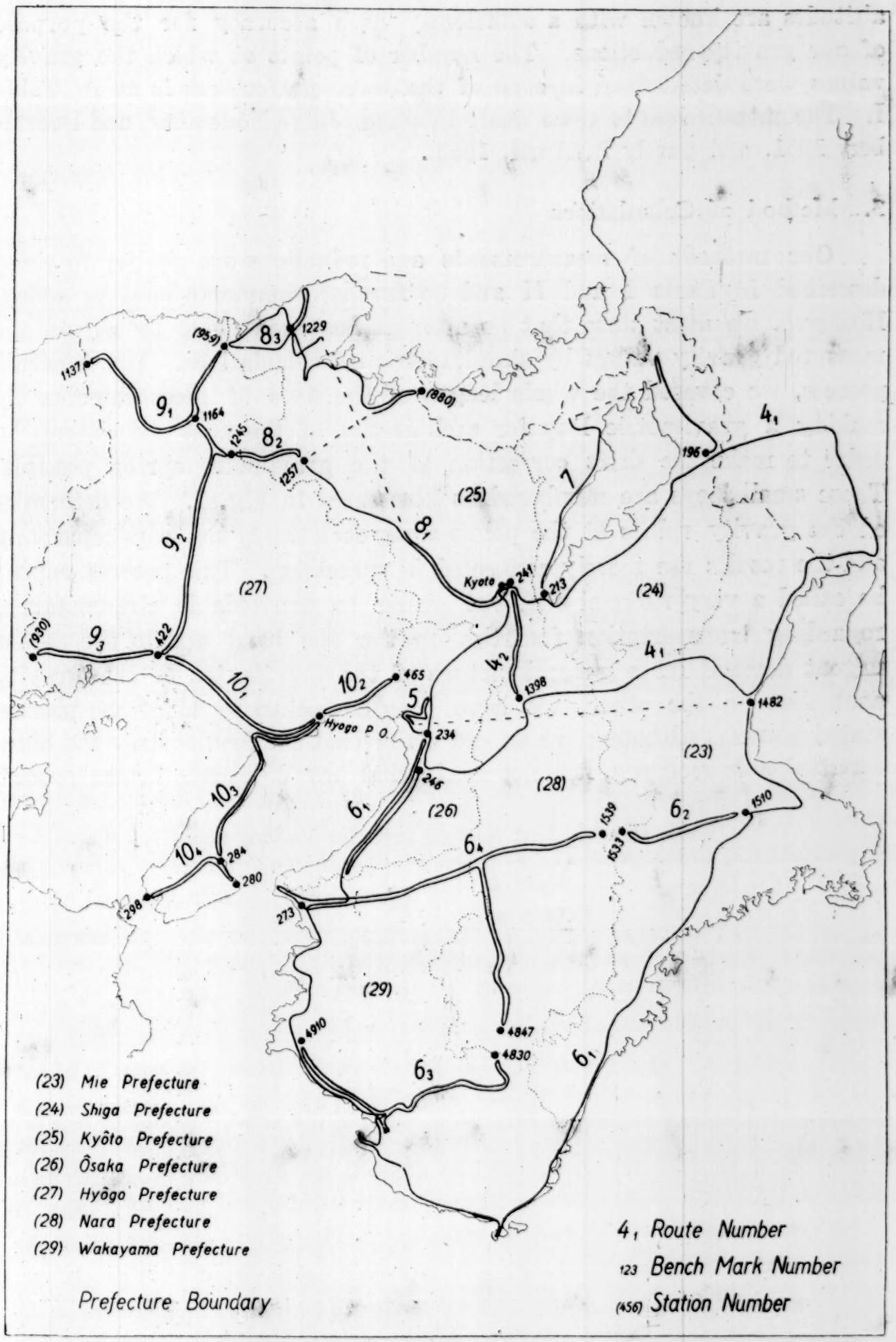

Fig. 1. Lines of Precise Levels in the Kinki District with the Prefecture Boundaries.

altitudes are known with a sufficiently high accuracy for the purpose of our gravity reductions. The number of points at which the gravity values were determined in each of the seven prefectures is as in Table I. The measurements were made in June, July, November, and December, 1951, and partly in April, 1953.

3. Method of Calculations

Our methods of measurements and reductions are similar to those described in Parts I and II and no further comments need be added. However, we must state that no attempt has been made to adjust the measured gravity values by simultaneous net calculations. In our actual process, we covered the whole length of the lines of measurements by making a gravimetric loop for each section of the lines successively in order to make the drift correction of the gravimeter spring possible. These small loops are numbered as illustrated in Fig. 1. We determined the gravity values at the points along each one of the loops separately and the results are merely connected in succession. This process cannot be called a very rational one, but owing to unavoidable circumstances regarding transportation facilities on the one hand and to the rather urgent demand for a general picture of the distribution of the gravity anomalies on the other, we have been compelled to adopt the process stated above. Although we do not claim that our results show the highest attainable accuracy, it is not likely that any difference in the process

Table II. Apparent Rate of Drift for Various Loops.

Routes	Residual (0.01 mgal.)	Time (hour)	R (mgal./hour)
4_1	561	67.5	0.0831
5	145	15.3	0.0942
6_1	762	112.6	0.0687
6_2	61	9.3	0.0656
6_3	207	24.8	0.0835
6_4	440	46.1	0.0954
7	99	13.0	0.0762
8_1	99	26.9	0.0368
8_2	11	2.4	0.0458
8_3	14	7.7	0.0182
9_1	124	15.6	0.0795
9_2	72	9.5	0.0758
9_3	38	6.2	0.0613
10_1	42	10.6	0.0396
10_2	22	5.5	0.0407
10_3	55	10.2	0.0539
10_4	19	7.4	0.0257

of reduction will sensibly alter the final results. It is of course our wish to make a simultaneous net adjustment when the survey over the whole country is completely finished.

Our WORDEN gravimeter has been working with admirable perfectness. But the rate of drift of the gravimeter spring apparently differed notably from one loop to another. It will be interesting to compare the rate for each of the loops given in Table II.

4. Results

The gravity values at all the stations are given in Tables III~IX for each of the loops separately. In Tables X~XVI the materials are arranged synoptically according to the seven prefectures separately. The explanations of the Tables precede them. The lines of equal BOUGUER anomalies based on the International Gravity Formula are shown in Fig. 9, with 2 mgal. intervals. The figure is in the pocket attached to the back cover. The positions of the contour lines are accurate where they meet the lines of precise levels but obviously no great accuracy can be claimed for those in the intervenient parts.

Reserving the geophysical interpretations of the distribution of the BOUGUER anomalies for future studies, we will briefly enumerate only the especially notable facts in Fig. 9.

1) The BOUGUER anomaly increases both towards north and south. On the Japan Sea coast, a positive anomaly of 48 mgal. was found, while on the Pacific coast, positive anomaly of as large as 153 mgal. was found. Along the Japan Sea coast, the isoanomaly lines are roughly parallel to the coast line, except for the western part of the Bay of Wakasa.

2) It has been known geologically that the Median Tectonic Line runs about the middle of the island of Shikoku in WSW–ENE direction and keeping almost the same trend, crosses the southern part of the Kinki District. It is interesting to note that the isoanomaly lines in the southern part of this district do not perfectly agree in trend with the geological structure of it. It is rather surprising that while the gravity anomalies in Shikoku so clearly suggest the anomalous subterranean density distribution which must be closely related to this tectonic line, those in the Kinki District apparently do not.

3) There is an area near the city of Ôsaka in which the anomaly is minimum. Probably this may be related to the alluvial deposits with small densities on which the city is situated.

4) Almost perfectly conforming to the shape of Lake Biwa, there is an area of conspicuous negative anomaly. That Lake Biwa is a depression basin has been known from geological as well as from geomorphological studies. The strong negative gravity anomaly here suggests that the amount of depression of the earth's crust is larger than indicated by the present surface relief. Also the isoanomaly lines indicate that the dip of depression is steep on the west side while it is less so on the east side.

5. Acknowledgements

We cannot close this report without expressing our sincere gratitude to the many officials and individuals who helped us in various ways in accomplishing this survey. Particularly, we wish to thank the Ministry of Education for financial support. Mrs. S. INOUE and Miss K. SEKI have helped us greatly in numerical computations and in preparing the present paper. We acknowledge gratefully their help.

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Proc. Japan Acad., **29**, 316.

Explanation of Tables

Tables III–IX Results along Each of the Routes

Pref. .....Prefecture
No. .....Number of Measurement
B.M. .....Bench Mark Number
Time .....Time of Measurement
$\sum \delta T$ .....Net Time needed to arrive at the Station from the Starting Point
LD .....Large Dial Reading
SD .....Small Dial Reading
$0.9150 \times SD$ .....Conversion of Small Dial Reading to 0.01 mgal.
h .....Height of the Gravimeter above the Bench Mark Head
$0.3086 \times h$ .....Free-air Reduction to the Bench Mark Head
E.T. .....Correction for the Earth Tides (Factor 1.20)
Drift .....Correction for Drift
$\sum \delta g$ .....Gravity Difference from the Starting Point
g .....Gravity Value (corrected for Drift and Earth Tides)

Tables X–XVI Synoptic Results for Each of the Prefectures

φ .....Latitude
λ .....Longitude
H .....Height of the Bench Mark above the Sea Level
g .....Gravity Value (Corrected for Drift and Earth Tides)
g_0 .....Gravity Value after the Free-air Reduction
g_0'' .....Gravity Value after the BOUGUER Reduction
γ .....Normal Gravity
Δg_0 .....Free-air Anomaly
$\Delta g_0''$ .....BOUGUER Anomaly

Table III. Results along Route 4. (0.01 mgal.).

Route 4_1 B.M. 234—B.M. 241—B.M. J. 213—Ôtsu—B.M. 196—Ôgaki—B.M. J. 185—B.M. 176—Nagoya —Tsu—Ueno—B.M. 1398—B.M. 246—B.M. 234.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	8.31 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
26	304	234	VI 16	9 08	0 00	453	3568	3265	114	35	14	0	0	71760	9
〃	305	232	〃	9 34	26	〃	4402	4028	88	27	16	3	754	72514	〃
〃	306	229	〃	10 03	55	〃	4461	4082	85	26	16	7	803	72563	〃
〃	307	228	〃	10 26	1 18	〃	4820	4410	68	21	16	11	1122	72882	〃
〃	308	472	〃	10 43	1 35	〃	4840	4429	64	20	14	13	1136	72896	〃
〃	309	227	〃	11 00	1 52	〃	4704	4304	59	18	14	16	1006	72766	〃
〃	310	226	〃	11 15	2 07	〃	4556	4169	72	22	14	17	874	72634	〃
〃	311	225	〃	11 33	2 25	〃	4597	4206	69	21	10	20	903	72663	〃
〃	312	224	〃	12 10	3 02	〃	4528	4143	226	70	10	25	884	72644	〃
〃	313	223	〃	12 29	3 21	〃	5395	4936	75	23	10	28	1627	73387	〃
〃	314	222	〃	12 45	3 37	〃	5770	5280	56	17	5	30	1958	73718	〃
25	315	221	〃	13 15	4 07	〃	5205	4763	58	18	5	34	1438	73198	〃
〃	316	219.1	〃	13 39	4 31	〃	4912	4494	190	59	−1	37	1201	72961	〃
〃	317	218.1	〃	14 17	5 09	〃	4588	4198	66	20	−1	43	860	72620	〃
〃	318	217.1	〃	14 43	5 35	〃	4445	4067	63	19	−5	47	720	72480	〃
〃	319	J. 216.1	〃	15 01	5 53	〃	4558	4171	69	21	−5	49	824	72584	〃
〃	320	Kyôto W.S.*	〃	15 34	6 26	〃	4892	4476	−01	0	−8	53	1101	72861	〃
〃	321	241	〃	16 05	6 57	〃	4555	4168	53	16	−8	58	804	72564	〃
〃	322	Kyôto Univ.**	〃	16 20	7 12	〃	4042	3698	27	8	−8	60	324	72084	〃
〃	323	〃***	〃	16 35	7 27	〃	4300	3935	66	20	−8	62	571	72331	〃
〃	324	214.1	〃	17 10	8 02	〃	3715	3399	97	30	−8	66	41	71801	〃
〃	325	F. 20	〃	17 45	8 37	〃	1376	1259	48	15	−7	71	−2118	69642	〃
24	326	J. 213	〃	18 07	8 59	〃	2117	1937	104	32	−7	75	−1427	70333	〃
〃	Ôtsu	〃		19 24	10 16	〃	1956	1790	27	8	−5	86	−1607	70153	〃
〃	〃		VI 17	8 03		〃	1995	1825	〃	〃	14				〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

** Second Laboratory of Theoretical Geology Kyôto University, International Fundamental Station.

*** Cellar, formerly Department of Astronomy, Kyôto University.

〃	326		J. 213	〃	8 25	10 38	〃	2153	1970	98	30	14	88	−1442	70318	〃
〃	327		212	〃	8 59	11 12	〃	2117	1937	69	21	17	93	−1486	70274	〃
〃	328		211.$_1$	〃	9 15	11 28	〃	2201	2014	58	18	17	96	−1415	70345	〃
〃	329		210.$_1$	〃	9 36	11 49	〃	1776	1625	78	24	18	98	−1799	69961	〃
〃	〃		〃	〃	9 40		449	3601	3295	〃	〃	18				〃
〃	330		209.$_1$	〃	10 11	12 20	〃	3591	3286	55	17	18	102	−1819	69941	〃
〃	331		208.$_1$	〃	10 32	12 41	〃	3800	3477	70	22	16	106	−1629	70131	〃
〃	332		207.$_1$	〃	10 55	13 04	〃	3769	3449	63	19	16	109	−1663	70097	〃
〃	333		206.$_1$	〃	11 11	13 20	〃	4049	3705	67	21	16	111	−1407	70353	〃
〃	334		205.$_1$	〃	11 30	13 39	〃	3890	3559	63	19	16	114	−1558	70202	〃
〃	335		204.$_1$	〃	11 52	14 01	〃	4090	3742	58	18	16	116	−1378	70382	〃
〃	336		203.$_1$	〃	12 09	14 18	〃	3895	3564	80	25	16	119	−1552	70208	〃
〃	337		202.$_1$	〃	12 30	14 39	〃	3192	2921	62	19	16	122	−2204	69556	〃
〃	338		201.$_1$	〃	12 51	15 00	〃	3641	3332	59	18	11	125	−1802	69958	〃
〃	339		200.$_1$	〃	13 09	15 18	〃	4388	4015	74	23	11	127	−1116	70644	〃
〃	340		199.$_1$	〃	13 24	15 33	〃	5109	4675	57	18	11	130	− 464	71296	〃
〃	341	Hikone	W.S.*	〃	13 58	16 07	〃	4996	4571	72	22	5	134	− 574	71186	〃
〃	342		〃**	〃	14 06	16 15	〃	5015	4589	19	6	5	135	− 573	71187	〃
〃	343		198.$_1$	〃	16 00	18 09	〃	5712	5226	64	20	− 7	151	50	71810	〃
〃	344		197	〃	16 37	18 46	〃	6086	5569	66	20	−10	156	385	72145	〃
〃	345		196	〃	16 57	19 06	〃	6101	5582	44	14	−10	159	389	72149	〃
〃	346		195	〃	17 20	19 29	〃	5167	4728	70	22	−10	162	− 460	71300	〃
20	347		194	〃	17 57	20 06	〃	5510	5042	72	22	−10	167	− 151	71609	〃
〃	348		193	〃	18 16	20 25	〃	6164	5640	55	17	−10	170	439	72199	10
〃	349		192	〃	18 36	20 45	〃	7583	6938	70	22	− 9	173	1740	73500	〃
〃	〃		〃	〃	18 39		458	3526	3226	〃	〃	− 9				〃
〃	350		191	〃	18 58	21 04	〃	4886	4471	73	23	− 9	175	2984	74744	〃
〃	Ôgaki			〃	19 34	21 40	〃	4355	3985	27	8	− 6	180	2481	74241	〃
〃	〃			VI 18	7 56		〃	4380	4008	〃	〃	11				〃
〃	350		191	〃	9 00	22 44	〃	4900	4484	79	24	17	189	2970	74730	〃

* Weather Station Bench Mark.

** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Table III. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	8.31× $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
20	351	190	VI 18	9 17	23 01	458	4994	4570	63	19	17	191	3049	74809	10
〃	352	189	〃	9 35	23 19	〃	4567	4179	63	19	20	194	2658	74418	〃
〃	353	188	〃	9 55	23 39	〃	5294	4844	34	10	20	197	3311	75071	〃
〃	354	187	〃	10 10	23 54	〃	5542	5071	69	21	20	199	3547	75307	〃
〃	355	186	〃	10 25	24 09	〃	6112	5592	68	21	20	201	4066	75826	〃
〃	356	J. 185	〃	11 35	25 19	〃	6339	5800	56	17	20	210	4261	76021	〃
〃	357	184	〃	11 50	25 34	〃	5666	5184	61	19	20	213	3644	75404	〃
22	358	182.1	〃	12 16	26 00	〃	5720	5234	100	31	20	216	3703	75463	〃
〃	359	181.1	〃	12 34	26 18	〃	5372	4915	81	25	16	219	3371	75131	〃
〃	360	180.1	〃	12 57	26 41	〃	5012	4586	74	23	16	222	3037	74797	〃
〃	361	179.1	〃	13 10	26 54	〃	5293	4843	59	18	16	224	3287	75047	〃
〃	362	178.1	〃	13 27	27 11	〃	5069	4638	91	28	16	226	3090	74850	〃
〃	363	177.1	〃	13 45	27 29	〃	4667	4270	82	26	10	229	2711	74471	〃
〃	301	177	〃	14 35	28 19	〃	4811	4402	69	21	3	235	2825	74585	〃
〃	364	176.1	〃	14 50	28 34	〃	5208	4765	71	22	3	238	3186	74946	〃
〃	302	176	〃	15 00	28 44	〃	5138	4701	69	21	3	239	3120	74880	〃
〃	365	175.1	〃	15 45	29 29	〃	5105	4671	76	23	− 3	245	3080	74840	〃
〃	303	175	〃	16 00	29 44	〃	4739	4336	66	20	− 3	247	2740	74500	〃
〃	366	J. 174.1	〃	16 20	30 04	〃	4020	3678	58	18	− 3	250	2077	73837	〃
〃	367	1479	〃	16 35	30 19	〃	3262	2985	69	21	− 8	252	1380	73140	〃
〃	368	Nagoya M.O.*	〃	17 37	31 21	〃	4865	4451	27	8	−11	261	2821	74581	〃
〃	Nagoya		〃	19 04	32 48	〃	4860	4447	27	8	−11	273	2805	74565	〃
〃	〃		VI 19	7 35		〃	4894	4478	〃	〃	7				〃
〃	303	175	〃	8 29	33 42	〃	4815	4406	65	20	7	280	2738	74498	〃
〃	369	1476	〃	9 16	34 29	〃	2888	2643	86	27	14	287	982	72742	〃
〃	370	1475	〃	9 33	34 46	〃	2623	2400	64	20	19	289	735	72495	〃
〃	371	1473	〃	9 59	35 12	〃	2082	1905	51	16	19	293	232	71992	〃
〃	372	1471	〃	10 16	35 29	〃	1824	1669	25	8	19	295	− 14	71746	〃
〃	〃	〃	〃	10 20		453	4045	3701	〃	〃	19				〃
23	373	1469	〃	12 30	37 39	〃	3955	3619	65	20	22	313	− 99	71661	〃

* Meteorological Observatory Barometer Room, on the Floor.

〃	374		1467	〃	12 44	37 53	〃	3784	3462	72	22	21	315	− 257	71503	〃
〃	375		1465	〃	13 05	38 14	〃	3587	3282	68	21	21	317	− 440	71320	〃
〃	376		1463	〃	13 26	38 35	〃	3347	3063	61	19	21	321	− 665	71095	〃
〃	377		1461	〃	13 47	38 56	〃	3040	2782	95	29	16	323	− 943	70817	〃
〃	378		1459	〃	14 15	39 24	〃	2865	2621	62	19	16	327	−1118	70642	〃
〃	379		1457	〃	14 32	39 41	〃	2611	2389	67	21	9	330	−1358	70402	〃
〃	380		1455	〃	14 59	40 08	〃	2750	2516	57	18	9	333	−1237	70523	〃
〃	381		1453	〃	15 31	40 40	〃	3288	3009	53	16	2	338	− 758	71002	〃
〃	382		1451	〃	15 53	41 02	〃	4303	3937	104	32	2	341	183	71943	〃
〃	383		1449	〃	16 28	41 37	〃	4827	4417	86	27	2	346	653	72413	〃
〃	384		1447	〃	16 46	41 55	〃	5273	4825	81	25	− 5	348	1050	72810	〃
〃	385	J.	1445	〃	17 03	42 12	〃	5367	4911	80	25	− 5	351	1133	72893	〃
〃	386		1482	〃	17 35	42 44	〃	5334	4881	86	27	− 9	355	1097	72857	〃
〃	Tsu			〃	19 00	44 09	〃	5383	4925	27	8	−11	367	1108	72868	〃
〃	〃			VI 20	7 30		〃	5429	4968	〃	〃	− 5				〃
〃	386		1482	〃	8 20	44 59	〃	5373	4916	97	30	2	374	1078	72838	〃
〃	387	Tsu	W.S.*	〃	8 42	45 21	〃	5246	4800	105	32	4	377	963	72723	〃
〃	388		1443	〃	9 30	46 09	〃	5435	4973	64	20	4	384	1117	72877	〃
〃	389		1441	〃	9 55	46 34	〃	4304	3938	54	17	11	387	83	71843	〃
〃	390		1439	〃	10 13	46 52	〃	3893	3562	67	21	11	390	− 292	71468	〃
〃	391		1437	〃	10 33	47 12	〃	3887	3557	64	20	17	392	− 294	71466	〃
〃	392		1435	〃	10 50	47 29	〃	4235	3875	62	19	17	395	20	71780	〃
〃	393		1433	〃	11 10	47 49	〃	3145	2878	69	21	17	397	− 977	70783	〃
〃	394		1431	〃	11 35	48 14	〃	1822	1667	46	14	21	401	−2195	69565	〃
〃	〃		〃	〃	11 40		449	3619	3311	〃	〃	21				〃
〃	395		1429	〃	12 05	48 39	〃	1667	1525	57	18	21	405	−3981	67779	11
〃	396		1427	〃	12 25	48 59	〃	2958	2707	76	23	21	407	−2796	68964	〃
〃	397		1425	〃	14 20	50 54	〃	4187	3831	67	21	19	423	−1692	70068	〃
〃	398		1423	〃	14 40	51 14	〃	5777	5286	55	17	14	426	− 249	71511	〃
〃	399		1421	〃	15 00	51 34	〃	6391	5848	56	17	14	429	310	72070	〃
〃	〃		〃	〃	15 02		451	5495	5028	〃	〃	14				〃
〃	400		1420	〃	15 20	51 52	〃	5587	5112	69	21	14	431	396	72156	〃
〃	Ueno			〃	18 30	55 02	〃	5639	5160	27	8	− 6	457	385	72145	〃
〃	〃			VI 21	7 00		〃	5698	5214	〃	〃	−10				〃
〃	400		1420	〃	8 01	56 03	〃	5707	5222	68	21	− 6	466	401	72161	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Table III. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$8.31 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
23	401	1418	VI 21	8 21	56 23	451	5196	4754	68	21	− 6	469	− 70	71690	11
〃	402	1416	〃	8 41	56 43	〃	6220	5691	53	16	− 1	471	865	72625	〃
25	403	1414	〃	9 13	57 15	〃	6420	5874	63	19	− 1	476	1046	72806	〃
〃	〃	〃	〃	9 15		456	4171	3816	〃	〃	− 1				〃
〃	404	1412	〃	9 33	57 33	〃	4884	4469	47	15	5	479	1698	73458	〃
〃	405	1410	〃	9 50	57 50	〃	4592	4202	65	20	5	480	1435	73195	〃
〃	406	1408	〃	10 07	58 07	〃	4816	4407	27	8	5	483	1625	73385	〃
〃	407	1406	〃	10 27	58 27	〃	4888	4473	86	27	5	486	1707	73467	〃
〃	408	1404	〃	10 49	58 49	〃	4974	4551	53	16	12	489	1778	73538	〃
〃	409	1402	〃	11 12	59 12	〃	5003	4578	59	18	12	492	1804	73564	〃
〃	410	10727	〃	12 42	60 42	〃	4525	4140	76	23	20	504	1367	73127	〃
〃	411	1400	〃	13 02	61 02	〃	3790	3468	65	20	20	507	689	72449	〃
28	412	1398	〃	14 35	62 35	〃	3239	2964	63	19	16	520	167	71927	〃
〃	〃	〃	VI 23	8 14		〃	3489	3192	61	19	− 7				〃
〃	421	1396	〃	8 31	62 52	〃	4221	3862	62	19	− 5	523	836	72596	〃
〃	422	1394	〃	8 50	63 11	〃	4516	4132	70	22	− 5	525	1107	72867	〃
〃	423	1392	〃	9 13	63 34	〃	5257	4810	49	15	− 5	529	1774	73534	〃
〃	424	1390	〃	9 30	63 51	〃	5748	5259	72	22	− 5	531	2228	73988	〃
〃	425	1388	〃	9 50	64 11	〃	5967	5460	75	23	− 3	534	2429	74189	〃
〃	426	1387	〃	10 06	64 27	〃	5845	5348	36	11	− 3	536	2303	74063	〃
26	427	1384	〃	10 43	65 04	〃	5687	5204	77	24	1	541	2171	73931	〃
〃	428	1382	〃	11 02	65 23	〃	3272	2994	(60)	19	1	544	− 47	71713	〃
〃	429	1383	〃	11 15	65 36	〃	3778	3457	60	19	1	545	415	72175	〃
〃	430	1380	〃	11 38	65 59	〃	3370	3084	80	25	5	549	48	71808	〃
〃	431	1378	〃	11 54	66 15	〃	3916	3583	79	24	5	551	544	72304	〃
〃	432	246	〃	12 12	66 33	〃	3717	3401	106	33	5	554	368	72128	〃
〃	433	244	〃	12 42	67 03	〃	3416	3126	122	38	9	558	98	71858	〃
〃	304	234	〃	13 09	67 30	〃	3315	3033	117	36	9	561	0	71760	〃

Route 4_2 B.M. 1398—B.M. 241—Nara—B.M. 1398.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	8.48 × $\sum\delta T$ Drift	adjustment	$\sum\delta g$	g 979.	Field Note No.
				h m	h m											
28	412	1398	VI 22	8 13	0 00	456	3339	3055	60	19	− 8	0	0	0	71927	11
25	413	10732	〃	9 15	1 02	〃	4879	4464	73	23	− 5	8	52	1356	73283	〃
〃	414	10725	〃	9 38	1 25	〃	5017	4591	61	19	0	12	56	1476	73403	〃
〃	415	10723	〃	9 55	1 42	〃	4441	4064	54	17	0	14	37	964	72891	〃
〃	416	10721	〃	10 20	2 07	〃	4105	3756	71	22	0	18	26	668	72595	〃
〃	417	10719	〃	10 40	2 27	〃	4739	4336	60	19	6	21	47	1227	73154	〃
〃	418	10717	〃	10 55	2 42	〃	4027	3685	64	20	6	23	23	599	72526	〃
〃	321	241	〃	13 15	5 02	〃	4066	3721	56	17	15	42	24	621	72548	〃
〃	322	Kyôto Univ.	〃	13 33	5 20	〃	3551	3249	27	8	17	45	6	157	72084	〃
〃	419	〃 *	〃	13 45	5 32	〃	3729	3412	〃	〃	17	47	12	312	72239	〃
〃	420	〃 **	〃	14 00	5 47	〃	3799	3476	〃	〃	17	49	14	372	72299	〃
28	Nara		〃	18 31	10 18	〃	3230	2955	27	8	− 3	87	− 7	− 186	71741	〃
〃	412	1398	〃	20 41	12 28	〃	3457	3163	59	18	− 9	106	0	0	71927	〃

* 16th Laboratory, Department of Fuel Chemistry, Kyôto University.

** SASSA Laboratory, Department of Geophysics, Kyôto University.

Table IV. Results along Route 5. (0.01 mgal.).

Route 5 B.M. 234—B.M. 1482.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	9.42 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
26	304	234	VI 23	13 09	0 00	456	3315	3033	117	36	9	0	0	71760	11
〃	434	235.2	〃	13 27	18	〃	2885	2640	110	34	9	3	− 398	71362	〃
〃	435	237	〃	13 43	34	〃	2777	2541	133	41	12	6	− 490	71270	〃
〃	436	10697	〃	14 11	1 02	〃	2543	2327	102	31	12	9	− 717	71043	〃
〃	305	232	〃	14 58	1 49	〃	4156	3803	108	33	13	17	754	72514	〃
〃	308	472	〃	15 28	2 19	〃	4607	4215	61	19	13	22	1147	72907	〃
〃		Suita *	〃	18 40	5 31	〃	4712	4311	27	8	0	52	1189	72949	〃
〃		〃	VI 24	7 00		〃	4774	4368	〃	〃	− 3				〃
〃	308	472	〃	10 44	9 15	〃	4735	4333	64	20	0	88	1133	72893	〃
〃	435	237	〃	11 10	9 41	〃	2923	2675	132	41	0	91	− 507	71253	12
〃	437	Ôsaka M.O.**	〃	11 50	10 21	〃	3617	3310	27	8	4	98	92	71852	〃
〃	438	〃***	〃	12 04	10 35	〃	3588	3283	67	21	4	100	76	71836	〃
23	386	1482	〃	16 50	15 21	〃	4730	4328	90	28	9	145	1088	72848	〃

* Suita Road Machine Operation Office, Entrance.

** Meteorological Observatory Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

*** Meteorological Observatory Bench Mark.

Table V. Results along Route 6. (0.01 mgal.).

Route 6_1 B.M. 1482—Ôga—B.M. J. 1510—Kimoto—Shingû—Kushimoto—Shirahama—Tanabe—B.M. J. 9184
B.M. 4910—B.M. J. 273—Ôsaka—B.M. 234—B.M. 246.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$6.87 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
23	386	1482	VI 25	8 43	0 00	456	4845	4433	88	27	− 2	0	0	72848	12
〃	439	1484	〃	8 58	15	〃	4976	4553	62	19	− 2	2	110	72958	〃
〃	440	1486	〃	9 22	39	〃	5159	4720	51	16	− 2	5	271	73119	〃
〃	441	1488	〃	9 42	59	〃	6142	5620	59	18	− 2	7	1171	74019	〃
〃	〃	〃	〃	9 45		463	3043	2784	〃	〃	− 2				〃
〃	442	1490	〃	10 20	1 34	〃	3245	2969	65	20	− 2	11	1354	74202	〃
〃	443	1492	〃	10 35	1 49	〃	3270	2992	77	24	− 1	12	1381	74229	〃
〃	444	1494	〃	10 49	2 03	〃	2386	2183	86	27	− 1	14	573	73421	〃
〃	445	1496	〃	11 00	2 14	〃	2743	2510	71	22	− 1	15	894	73742	〃
〃	446	1498	〃	11 18	2 32	〃	2658	2432	65	20	− 1	17	812	73660	〃
〃	447	1500	〃	11 38	2 52	〃	2396	2192	55	17	0	20	567	73415	〃
〃	448	1502	〃	13 12	4 26	〃	2226	2037	63	19	3	30	407	73255	〃
〃	449	1504	〃	13 30	4 44	〃	2256	2064	48	15	3	32	428	73276	〃
〃	450	1506	〃	13 52	5 06	〃	2050	1876	69	21	5	35	245	73093	〃
〃	451	1508	〃	14 10	5 24	〃	2365	2164	50	15	5	37	525	73373	〃
〃	Ôga		〃	19 46	11 00	〃	2545	2329	27	8	− 2	76	637	73485	〃
〃	〃		VI 26	8 20		〃	2600	2379	〃	〃	4				〃
〃	451	1508	〃	14 30	17 10	〃	2486	2275	44	14	1	118	494	73343	〃
〃	〃	〃	〃	14 33		458	4718	4317	〃	〃	2				〃
〃	452	J. 1510	〃	14 55	17 32	〃	4494	4112	68	21	2	120	294	73142	〃
〃	〃	〃	VI 27	8 05		458′	4630	4236	70	22	5				〃
〃	451	1508	〃	10 18	19 45	〃	4864	4451	44	14	2	136	482	73330	〃
〃	461	4737	〃	10 48	20 15	〃	4411	4036	29	9	4	139	61	72909	〃
〃	462	4739	〃	11 08	20 35	〃	3660	3349	78	24	4	141	− 613	72235	〃
〃	463	4741	〃	11 32	20 59	〃	2812	2573	69	21	1	144	−1398	71450	〃

Table V. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.87× $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
23	464	4743	VI 27	11 52	21 19	458	2984	2730	48	15	1	146	−1249	71599	12
〃	465	4745	〃	14 08	23 35	〃	2599	2378	49	15	− 2	162	−1620	71228	〃
〃	466	4747	〃	14 39	24 06	〃	2061	1886	63	19	− 2	165	−2111	70737	〃
〃	467	4750	〃	15 37	25 04	〃	1559	1426	8	2	− 1	172	−2594	70254	〃
〃	〃	〃	〃	15 40		449	5553	5081	〃	〃	− 1				〃
〃	468	4753	〃	16 14	25 38	〃	5038	4610	61	19	− 1	176	−3052	69796	〃
〃	469	4755	〃	16 38	26 02	〃	4289	3924	65	20	− 1	178	−3739	69109	〃
〃	470	4756	〃	16 53	26 17	〃	3358	3073	74	23	− 1	181	−4590	68258	〃
〃	〃	〃	〃	17 00		453	1568	1435	〃	〃	− 1				〃
〃	$470R_1$		〃	17 15	26 32	〃	2526	2311	—	—	− 1	182	−3738	69110	〃
〃	〃		〃	17 19		456	1221	1117	—	—	− 1				〃
〃	$470R_2$		〃	17 32	26 45	〃	2176	1991	—	—	1	184	−2864	69984	〃
〃	$470R_3$		〃	17 47	27 00	〃	4989	4565	—	—	1	185	− 291	72557	〃
〃	〃		〃	17 51		464	1416	1296	—	—	1				〃
〃	471	4759	〃	18 08	27 17	〃	2062	1887	17	5	1	187	303	73151	〃
〃	472	4761	〃	18 34	27 43	〃	2223	2034	80	25	1	190	467	73315	〃
〃	〃	〃	VI 28	8 20		〃	2280	2086	74	23	9				13
〃	473	4762	〃	8 36	27 59	〃	1372	1255	43	13	8	192	− 377	72471	〃
〃	474	4764	〃	8 55	28 18	〃	1806	1652	−29	− 9	8	194	− 4	72844	〃
〃	475	4766	〃	9 27	28 50	〃	2103	1924	49	15	8	198	288	73136	〃
〃	476	4769	〃	9 54	29 17	〃	2371	2169	125	39	7	201	553	73401	〃
〃	477	4771	〃	10 17	29 40	〃	1980	1812	73	23	7	204	177	73025	〃
〃	478	4772	〃	10 32	29 55	〃	2139	1957	−18	− 6	4	205	289	73137	〃
〃	479	4774	〃	10 44	30 07	〃	0451	0413	68	21	4	207	−1230	71618	〃
〃	〃	〃	〃	10 58		451	6252	5721	〃	〃	4				〃
〃	480	4776	〃	12 35	31 44	〃	7557	6915	55	17	0	218	− 55	72793	〃
〃	〃	〃	〃	12 38		455	5784	5292	〃	〃	0				〃
〃	481	4777	〃	12 51	31 57	〃	6294	5759	99	31	0	220	424	73272	〃
〃	482	Owase W.S.*	〃	13 17	32 23	〃	5988	5479	27	8	0	222	119	72967	〃
〃	483	4779	〃	14 33	33 39	〃	5219	4775	52	16	− 3	231	− 589	72259	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

〃	484	4780	〃	14 50	33 56	〃	4013	3672	38	12	− 3	233	−1698	71150	〃
〃	484R$_1$		〃	15.09	34 15	〃	1262	1155	—	—	− 3	235	−4229	68619	〃
〃	〃		〃	15 14		442	7088	6486	—	—	− 3				〃
〃	484R$_2$		〃	16 01	35 02	〃	0800	0732	—	—	− 2	240	−9987	62861	〃
〃	〃		〃	16 04		428	7050	6451	—	—	− 2				〃
〃	485	4784	〃	16 15	35 13	〃	2436	2229	13	4	− 2	242	−14207	58641	〃
〃	〃	〃	〃	16 18		422	5099	4666	〃	〃	− 2				〃
〃	486	4785	〃	16 35	35 30	〃	2148	1965	− 6	− 2	− 2	244	−16916	55932	〃
〃	〃	〃	〃	16 39		426	0415	0380	〃	〃	− 2				〃
〃	487	4787	〃	17 04	35 55	〃	5450	4987	48	15	− 2	246	−12294	60554	〃
〃	〃	〃	〃	17 07		437	0530	0485	〃	〃	− 2				〃
〃	488	4789	〃	17 30	36 18	〃	4841	4430	54	17	− 2	249	− 8350	64498	〃
〃	〃	〃	〃	17 33		444	1691	1547	〃	〃	− 1				〃
〃	489	4791	〃	17 56	36 41	〃	3181	2911	34	10	− 1	252	− 6996	65852	〃
〃	490	4794	〃	18 28	37 13	〃	3368	3082	70	22	− 1	255	− 6816	66032	〃
〃	〃	〃	〃	18 31		448	1578	1444	〃		− 1				〃
〃	490R$_1$		〃	18 51	37 33	〃	4369	3998	—	—	− 1	258	− 4287	68561	〃
〃	〃		〃	18 53		456	0795	0727	—	—	− 1				〃
〃	491	4798	〃	19 17	37 57	〃	4780	4374	64	20	− 1	261	− 623	72225	〃
〃	Kimoto		〃	19 40	38 20	〃	4803	4395	27	8	− 2	263	− 617	72231	〃
〃	〃		VI 29	11 45		〃	4855	4442	〃	〃	5				〃
〃	491	4798	〃	11 58	38 33	〃	4836	4425	58	18	5	265	− 626	72222	〃
〃	492	4800	〃	12 22	38 57	〃	5179	4739	61	19	5	268	− 314	72534	〃
〃	〃	〃	〃	12 27		463	2063	1888	〃	〃	5				〃
〃	493	4802	〃	12 45	39 15	〃	2194	2008	26	8	2	270	− 210	72638	〃
〃	494	4804	〃	13 03	39 33	〃	1768	1618	−47	−15	2	272	− 625	72223	〃
〃	495	4806	〃	13 23	39 53	〃	1886	1726	66	20	2	274	− 484	72364	〃
〃	496	4808	〃	13 43	40 13	〃	1899	1738	75	23	− 1	276	− 474	72374	〃
29	497	4810	〃	14 21	40 51	〃	2006	1835	27	8	− 1	281	− 397	72451	〃
〃	498	*	〃	15 19	41 49	〃	2080	1903	80	25	− 4	287	− 321	72527	〃
〃	Shingû		〃	18 30	45 00	〃	2087	1910	27	8	− 4	309	− 353	72495	〃
〃	〃		VI 30	7 00		〃	2154	1971	〃	〃	6				〃
〃	499	4966	〃	8 35	46 35	〃	2320	2123	55	17	13	320	− 196	72652	〃
〃	497	J. 4810	〃	8 55	46 55	〃	2128	1947	27	8	13	322	− 383	72465	〃
〃	500	4967	〃	9 13	47 13	〃	1781	1630	53	16	13	324	− 694	72154	〃

* Broadcasting Room, Shingû High School.

Table V. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.87 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
29	501	4969	VI 30	9 31	47 31	463	2625	2402	80	25	14	326	86	72934	13
〃	502	4972	〃	9 54	47 54	〃	2492	2280	51	16	14	329	− 48	72800	〃
〃	503	4975	〃	10 26	48 20	〃	3567	3264	56	17	14	332	934	73782	〃
〃	504	4977	〃	10 43	48 43	〃	3908	3576	56	17	13	334	1243	74091	〃
〃	505	4979	〃	11 23	49 23	〃	4426	4050	53	16	13	339	1711	74559	〃
〃	506	4981	〃	11 42	49 42	〃	4525	4140	58	18	10	341	1798	74646	〃
〃	507	4983	〃	12 03	50 03	〃	5092	4659	140	43	10	344	2339	75187	〃
〃	508	4985	〃	12 35	50 35	〃	5299	4849	− 20	− 6	6	347	2473	75321	〃
〃	509	4987	〃	14 22	52 22	〃	5243	4797	59	18	1	360	2427	75275	〃
〃	510	Shionomisaki W.S.*	〃	15 48	53 48	〃	3877	3547	− 42	−13	− 6	369	1130	73978	〃
〃	511	9221	〃	16 25	54 25	〃	5378	4921	81	25	− 6	373	2538	75386	〃
〃	Kushimoto		〃	19 00	57 00	〃	5502	5034	27	8	− 5	391	2617	75465	〃
〃	〃		VII 1	7 30		〃	5553	5081	27	8	6				〃
〃	511	9221	〃	7 51	57 21	〃	5438	4976	80	25	10	394	2530	75378	〃
〃	512	9219	〃	8 18	57 48	〃	4809	4400	171	53	10	397	1979	74827	〃
〃	513	9216	〃	8 44	58 14	〃	4534	4149	59	18	13	400	1693	74541	〃
〃	514	9214	〃	9 14	58 44	〃	3900	3569	65	20	13	403	1112	73960	〃
〃	515	9213	〃	9 35	59 05	〃	3483	3187	232	72	15	406	781	73629	〃
〃	516	9211	〃	9 57	59 27	〃	2896	2650	55	17	15	408	187	73035	〃
〃	517	9209	〃	10 37	60 07	〃	2157	1974	132	41	13	413	− 472	72376	〃
〃	518	9207	〃	11 15	60 45	〃	0971	0888	16	5	13	417	−1598	71250	14
〃	〃	〃	〃	11 20		450	6775	6199	〃	〃	13				〃
〃	519	9205	〃	12 08	61 33	〃	6677	6109	22	7	10	423	−1695	71153	〃
〃	520	9203	〃	12 30	61 55	〃	6705	6135	98	30	10	425	−1648	71200	〃
〃	521	9201	〃	14 40	64 05	〃	6634	6070	59	18	0	440	−1750	71098	〃

* Weather Station, on Concrete Corridor.

〃	522	9197	〃	16 28	65 53	〃	5743	5255	61	19	− 5	452	−2581	70267	〃
〃	523	9191	〃	18 18	67 43	〃	4947	4527	76	23	− 8	465	−3321	69527	〃
〃	524	9189	〃	18 36	68 01	〃	4876	4462	47	15	− 8	467	−3396	69452	〃
〃	Shirahama		〃	19 17	68 42	〃	3679	3366	27	8	− 8	472	−4504	68344	〃
〃	〃		VII 2	7 40		〃	3757	3438	〃	〃	8				〃
〃	525	Shirahama M.B.S.*	〃	11 50	72 52	〃	4147	3795	27	8	14	500	−4169	68679	〃
〃	Tanabe		〃	14 37	75 39	〃	4906	4489	27	8	0	520	−3509	69339	〃
〃	〃		VII 3	8 00		〃	5009	4583	〃	〃	5				〃
〃	524	9189	〃	10 30	78 09	〃	5086	4654	50	15	14	537	−3439	69409	〃
〃	526	9188	〃	10 48	78 27	〃	5246	4800	71	22	16	539	−3286	69562	〃
〃	527	9186	〃	11 11	78 50	〃	5383	4925	55	17	16	541	−3168	69680	〃
〃	528	J. 9184	〃	11 30	79 09	〃	4958	4537	100	31	16	544	−3545	69303	〃
〃	529	4930	〃	11 52	79 31	〃	5062	4632	62	19	16	546	−3464	69384	〃
〃	530	4932	〃	12 15	79 54	〃	4964	4542	86	27	16	549	−3549	69299	〃
〃	531	4927	〃	14 22	82 01	〃	4783	4376	50	15	9	563	−3748	69100	〃
〃	532	4925	〃	14 43	82 22	〃	4419	4043	54	17	3	566	−4088	68760	〃
〃	533	4923	〃	15 30	83 09	〃	3341	3057	55	17	3	571	−5079	67769	〃
〃	534	4921	〃	15 52	83 31	〃	3781	3460	51	16	− 2	573	−4684	68164	〃
〃	535	4919	〃	16 52	84 31	〃	3739	3421	50	15	− 6	580	−4735	68113	〃
〃	536	4917	〃	17 30	85 09	〃	4428	4052	97	30	− 6	585	−4094	68754	〃
〃	537	4915	〃	17 53	85 32	〃	4078	3731	66	20	− 8	587	−4429	68419	〃
〃	538	4913	〃	18 14	85 53	〃	4069	3723	80	25	− 8	590	−4435	68413	〃
〃	539	4911	〃	18 34	86 13	〃	4390	4017	101	31	− 9	592	−4138	68710	〃
〃	540	4910	〃	18 55	86 34	〃	4303	3937	62	19	− 9	595	−4233	68615	〃
〃	〃	〃	VII 6	9 25		449	5166	4727	65	20	3				15
〃	556	4908	〃	9 52	87 01	〃	4831	4420	51	16	8	597	−4541	68307	〃
〃	557	4905	〃	10 28	87 37	〃	5008	4582	55	17	8	601	−4382	68466	〃
〃	558	4903	〃	10 53	88 02	〃	3850	3523	54	17	13	604	−5439	67409	〃
〃	559	4898	〃	13 34	90 43	〃	5835	5339	51	16	15	623	−3641	69207	〃
〃	560	**	〃	14 04	91 13	〃	6174	5649	78	24	15	626	−3326	69522	〃

* Marine Biological Station Oceanographic Laboratory, on the Stand for Chemical Balances.

** Seismometer Room, Taikyû High School.

Table V. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.87 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
29	561	4896	VII 6	14 37	91 46	449	6320	5783	54	17	12	630	−3206	69642	15
〃	562	4895	〃	14 49	91 58	〃	6409	5864	62	19	12	632	−3125	69723	〃
〃	563	4893	〃	15 05	92 14	〃	6577	6018	68	21	12	633	−2970	69878	〃
〃	564	4891	〃	15 21	92 30	〃	6549	5992	58	18	12	635	−3001	69847	〃
〃	565	4889	〃	15 45	92 54	〃	6422	5876	4	1	8	638	−3141	69707	〃
〃	566	4887	〃	16 05	93 14	〃	6754	6180	76	23	8	640	−2817	70031	〃
〃	〃	〃	〃	16 07		458	2757	2523	〃	〃	8				〃
〃	567	4885	〃	16 27	93 34	〃	1649	1509	54	17	8	643	−3840	69008	〃
〃	568	4883	〃	16 52	93 59	〃	2660	2434	49	15	3	645	−2924	69924	〃
〃	569	4881	〃	17 15	94 22	〃	2660	2434	35	11	3	648	−2931	69917	〃
〃	570	F. 33	〃	17 43	94 50	〃	2965	2713	54	17	− 2	651	−2654	70194	〃
〃	571	4877	〃	18 04	95 11	〃	3292	3012	73	23	− 2	654	−2352	70496	〃
〃	〃	〃	VII 7	11 10		〃	3354	3069	71	22	9				〃
〃	573	J. 273	〃	11 29	95 30	〃	2537	2321	75	23	9	656	−3101	69747	〃
〃	〃	〃	VII 14	12 56		460	2900	2654	72	22	− 1				16
〃	580	1583	〃	13 33	96 07	〃	4486	4105	52	16	− 4	660	−1663	71185	〃
〃	615	269	〃	14 05	96 39	〃	3456	3162	69	21	− 4	664	−2605	70243	〃
〃	616	268	〃	14 48	97 22	〃	2437	2230	70	22	− 5	669	−3542	69306	〃
26	Ôsaka		〃	19 43	102 17	〃	5483	5017	27	8	− 3	702	− 800	72048	〃
〃	〃		VII 15	8 15		〃	5535	5065	〃	〃	15				〃
〃	304	234	〃	10 10	104 12	〃	5199	4757	115	35	15	715	−1094	71754	〃
〃	432	246	〃	10 48	104 50	〃	5614	5137	104	32	11	719	− 725	72123	〃
〃	617	248	〃	11 14	105 16	〃	5418	4957	83	26	11	723	− 915	71933	〃
〃	618	250	〃	11 35	105 37	〃	5255	4808	122	38	6	725	−1059	71789	〃
〃	619	252	〃	11 53	105 55	〃	5567	5094	96	30	6	727	− 783	72065	〃
〃	620	254	〃	12 11	106 13	〃	4940	4520	45	14	6	729	−1375	71473	〃
〃	621	256	〃	12 31	106 33	〃	4706	4306	105	32	2	732	−1578	71270	〃
〃	622	258	〃	12 53	106 55	〃	4280	3916	50	15	2	734	−1987	70861	〃
〃	623	260	〃	13 12	107 14	〃	3742	3424	60	19	2	736	−2477	70371	〃
〃	624	262	〃	13 33	107 35	〃	3568	3265	55	17	− 3	739	−2646	70202	〃

〃	625	263	〃	13 47	107 49	〃	3555	3253	81	25	− 3	740	−2651	70197	〃
〃	626	265	〃	14 10	108 12	〃	2107	1928	53	16	− 3	743	−3988	68860	〃
29	627	266	〃	14 25	108 27	〃	1264	1157	29	9	− 3	745	−4768	68080	〃
26	625	263	〃	14 55	108 57	〃	3578	3274	82	26	− 6	748	−2640	70208	〃
〃	624	262	〃	15 10	109 12	〃	3599	3293	46	14	− 6	750	−2635	70213	〃
〃	623	260	〃	15 30	109 32	〃	3780	3459	63	19	− 6	752	−2466	70382	〃
〃	621	256	〃	16 00	110 02	〃	4763	4358	102	31	− 7	755	−1559	71289	〃
〃	619	252	〃	16 30	110 32	〃	5646	5166	97	30	− 7	759	− 756	72092	〃
〃	432	246	〃	16 57	110 59	〃	5690	5206	101	31	− 9	762	− 720	72128	〃

Route 6_2 B.M. J. 1510—B.M. 1533—Miyamae—B.M. J. 1510.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$6.56 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
23	452	J. 1510	VI 26	14 55	0 00	458	4494	4112	68	21	2	0	0	73142	12
〃	453	1513	〃	15 25	30	〃	4455	4076	(40)	12	2	3	− 48	73094	〃
〃	454	1515	〃	15 45	50	〃	3377	3090	55	17	3	5	−1030	72112	〃
〃	455	1518	〃	16 15	1 20	〃	3012	2756	48	15	3	9	−1370	71772	〃
〃	456	1521	〃	17 05	2 10	〃	2303	2107	54	17	3	14	−2022	71120	〃
〃	457	1524	〃	17 35	2 40	〃	1776	1625	53	16	3	18	−2509	70633	〃
〃	458	1527	〃	18 00	3 05	〃	1089	996	59	18	3	20	−3138	70004	〃
〃	〃	〃	〃	18 05		450	4659	4263	〃	〃	3				〃
〃	459	1530	〃	18 45	3 45	〃	3092	2829	41	13	2	25	−4583	68559	〃
〃	460	1533	〃	19 20	4 20	〃	1772	1621	75	23	2	28	−5784	67358	〃
〃	458	1527	〃	20 15	5 15	〃	4690	4291	60	19	0	35	−3127	70015	〃
〃	〃	〃	〃	20 18		458	1141	1044	〃	〃	0				〃
〃	Miyamae		〃	23 10	8 07	〃	2509	2296	27	8	− 6	53	−1910	71232	〃
〃	〃		VI 27	6 55		〃	2547	2331	〃	〃	6				〃
〃	452	J. 1510	〃	8 05	9 17	〃	4630	4236	70	22	5	61	0	73142	〃

Route 6_3 B.M. 4910—B.M. J. 9184—Hongû—B.M. 4830—B.M. 9184—Gobô—B.M. 4910.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	8.35 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m										
29	540	4910	VII 4	8 02	0 00	450	4358	3988	66	20	1	0	0	68615	14
〃	528	J. 9184	〃	10 10	2 08	〃	5089	4656	99	31	12	18	672	69287	〃
〃	526	9188	〃	11 05	3 03	〃	5389	4931	71	22	16	26	934	69549	〃
〃	541	4939	〃	12 00	3 58	〃	2843	2601	33	10	17	33	−1414	67201	〃
〃	〃	〃	〃	12 05		441	6898	6312	〃	〃	17				〃
〃	542	4937	〃	13 36	5 29	〃	2448	2240	44	14	12	46	−5500	63115	〃
〃	〃	〃	〃	13 40		445	0676	0619	〃	〃	12				〃
〃	543	4942	〃	15 35	7 24	〃	6435	5888	8	2	1	62	− 270	68345	〃
〃	〃	〃	〃	15 42		443	7295	6675	〃	〃	1				〃
〃	544	4951	〃	16 41	8 23	〃	3257	2980	3	1	− 4	70	−3979	64636	〃
〃	545	4953	〃	17 10	8 52	〃	0754	0690	70	22	− 4	74	−6252	62363	〃
〃	〃	〃	〃	17 14		441	1643	1503	〃	〃	− 4				〃
〃	546	4955	〃	17 38	9 16	〃	0846	0774	77	24	− 7	78	−6986	61629	〃
〃	547	4957	〃	18 14	9 52	〃	4443	4065	41	13	− 7	83	−3711	64904	〃
〃	548	4959	〃	18 53	10 31	〃	6803	6225	27	8	− 9	88	−1563	67052	〃
〃	〃	〃	〃	19 00		455	0548	0501	〃	〃	− 9				〃
〃	549	4962	〃	19 27	10 58	〃	3235	2960	50	15	− 9	92	899	69514	〃
〃	550	4964	〃	19 49	11 20	〃	4437	4060	40	12	− 8	94	1995	70610	〃
〃	551	J. 4826	〃	20 16	11 47	〃	5661	5180	62	19	− 8	98	3118	71733	〃
〃	552	4827	〃	20 37	12 08	〃	4947	4527	39	12	− 6	101	2457	71072	〃
〃	Hongû		〃	21 11	12 42	〃	4181	3826	27	8	− 6	106	1747	70362	〃
〃	〃		VII 5	9 40		〃	4231	3871	〃	〃	8				〃
〃	552	4827	〃	10 10	13 12	〃	4993	4569	46	14	8	110	2447	71062	〃
〃	553	4829	〃	10 32	13 34	〃	4599	4208	65	20	13	114	2093	70708	〃
〃	554	4830	〃	10 49	13 51	〃	4465	4085	47	15	13	116	1963	70578	〃
〃	548	4959	〃	12 39	15 41	〃	0620	0567	26	8	16	131	−1574	67041	〃
〃	〃	〃	〃	12 44		449	3291	3011	〃	〃	16				〃
〃	544	4951	〃	13 47	16 44	〃	0671	0614	1	0	14	139	−3989	64626	〃
〃	543	4942	〃	14 46	17 43	〃	4738	4335	28	9	10	148	− 272	68343	〃
〃	528	9184	〃	17 48	20 45	〃	5811	5317	99	31	− 5	174	691	69306	〃

〃	555	*	〃	18 56	21 53	〃	5868	5369	27	8	− 8	183	708	69323	〃
〃	533	4923	〃	19 46	22 43	〃	4179	3824	63	19	− 8	189	− 832	67783	〃
〃	536	4917	〃	20 36	23 33	〃	5224	4780	179	55	− 7	197	153	68768	〃
〃	539	4911	〃	21 17	24 14	〃	5194	4753	101	31	− 7	202	97	68712	〃
〃	Gobô		〃	21 27	24 24	〃	5200	4758	27	8	− 7	204	77	68692	〃
〃	〃		VII 6	9 00		〃	5260	4813	〃	〃	3				〃
〃	540	4910	〃	9 25	24 49	〃	5166	4727	65	20	3	207	0	68615	15

* Second Step from Bottom Entrance, Civil Engineering Branch Station at Tanabe.

Rout 6$_4$ B.M. J. 273—B.M. 279—Shinwakanoura—Kamiichi—B.M. 1539—Gojô—B.M. 4847—Gojô—Shinwakanoura—B.M. J. 273.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	9.54 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m										
29	573	J. 273	VII 7	11 29	0 00	458	2537	2321	75	23	9	0	0	69747	15
〃	574	274	〃	11 45	16	〃	2420	2214	73	23	12	3	− 107	69640	〃
〃	575	276	〃	12 10	41	〃	1790	1638	58	18	12	7	− 692	69055	〃
〃	576	278	〃	12 29	1 00	〃	2233	2043	57	18	12	10	− 290	69457	〃
〃	577	279	〃	12 45	1 16	〃	2228	2039	51	16	15	12	− 295	69452	〃
〃	Shinwakanoura		〃	15 55	4 26	〃	2768	2533	27	8	7	42	153	69900	〃
〃	〃		VII 9	8 30		〃	3029	2772	〃	〃	− 4				〃
〃	573	273	〃	9 37	5 33	〃	2876	2632	69	21	− 2	53	17	69764	〃
〃	578	J. 271	〃	9 45	5 41	〃	3423	3132	54	17	− 2	54	512	70259	〃
〃	579	1585	〃	9 59	5 55	〃	3752	3433	56	17	− 2	56	811	70558	〃
〃	580	1583	〃	10 30	6 26	〃	4456	4077	48	15	− 2	61	1448	71195	〃
〃	581	1582	〃	10 44	6 40	〃	4447	4069	59	18	1	64	1443	71190	〃
〃	582	1580	〃	12 12	8 08	〃	3973	3635	32	10	4	77	991	70738	〃
〃	583	1578	〃	12 30	8 26	〃	3561	3258	66	20	4	80	621	70368	〃
〃	584	1576	〃	13 27	9 23	〃	3654	3343	63	19	7	90	698	70445	〃
〃	585	1575	〃	14 03	9 59	〃	3987	3648	35	11	9	95	992	70739	〃
〃	586	1573	〃	14 20	10 16	〃	3254	2977	137	42	9	98	349	70096	〃
〃	587	1572	〃	14 33	10 29	〃	3309	3028	56	17	9	100	373	70120	〃
〃	588	1569	〃	14 58	10 54	〃	2705	2475	49	15	9	104	−186	69561	〃
〃	589	1567	〃	15 21	11 17	〃	3268	2990	35	11	9	108	321	70068	〃

Tabel V. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	LD	SD	0.9150 × SD	h (cm)	0.3086 × h	E.T.	9.54 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m										
29	590	1565	VII 9	15 56	11 52	458	2877	2632	74	23	8	114	− 32	69715	15
28	591	1563	〃	16 17	12 13	〃	3032	2774	61	19	8	116	104	69851	〃
〃	592	J. 1562	〃	16 35	12 31	〃	3298	3018	38	12	6	119	336	70083	〃
〃	593	1560	〃	16 58	12 54	〃	2998	2743	58	18	6	123	63	69810	〃
〃	594	1558	〃	17 16	13 12	〃	3393	3105	58	18	6	126	422	70169	〃
〃	595	1556	〃	17 48	13 44	〃	3324	3041	59	18	2	131	349	70096	〃
〃	596	1554	〃	18 03	13 59	〃	3124	2858	55	17	2	134	162	69909	〃
〃	Kamiichi		〃	19 05	15 01	〃	2938	2688	27	8	− 2	143	− 30	69717	〃
〃	〃		VII 10	9 00		〃	2978	2725	〃	〃	− 3				〃
〃	596	1554	〃	9 15	15 16	〃	3173	2903	51	16	− 3	146	153	69900	〃
〃	597	1552	〃	9 40	15 41	〃	1885	1725	62	19	− 2	150	−1025	68722	〃
〃	598	1549	〃	10 05	16 06	〃	1295	1185	46	14	− 2	154	−1574	68173	〃
〃	599	1546	〃	10 30	16 31	〃	1403	1284	64	20	− 2	157	−1472	68275	〃
〃	〃	〃	〃	10 48		445	7220	6606	〃	〃	0				〃
〃	600	1544	〃	11 05	16 48	〃	7041	6443	67	21	0	160	−1637	68110	〃
〃	601	1542	〃	11 21	17 04	〃	5802	5309	60	19	0	163	−2776	66971	〃
〃	602	1540	〃	11 40	17 23	〃	3970	3633	49	15	3	166	−4456	65291	16
〃	603	1539	〃	11 54	17 37	〃	2914	2666	55	17	3	168	−5423	64324	〃
〃	599	1546	〃	12 33	18 16	〃	7255	6638	66	20	6	175	−1452	68295	〃
〃	〃	〃	〃	12 38		453	3657	3346	〃	〃	6				〃
〃	596	1554	〃	14 26	20 04	〃	5463	4999	52	16	8	192	182	69929	〃
〃	594	1558	〃	14 55	20 33	〃	5731	5244	68	21	8	197	427	70174	〃
〃	592	J. 1562	〃	15 38	21 16	〃	5678	5195	47	15	7	203	365	70112	〃
〃	Gojô		〃	19 00	24 38	〃	5591	5116	27	8	0	235	240	69987	〃
〃	〃		VII 11	7 30		〃	5690	5206	〃	〃	2				〃
〃	592	J. 1562	〃	8 27	25 35	〃	5837	5341	39	12	1	244	369	70116	〃
〃	604	4875	〃	8 47	25 55	〃	4731	4329	70	22	− 1	247	− 638	69109	〃
〃	605	4873	〃	9 09	26 17	〃	4375	4003	25	8	− 1	251	− 982	68765	〃
〃	606	4856	〃	11 52	29 00	〃	0698	0639	30	9	0	277	−4370	65377	〃
〃	〃		〃	11 55		444	4759	4354	〃	〃	0				〃

〃	607	4853	〃	13 07	30 12	〃	4233	3873	47	15	2	288	−4854	64893	〃
〃	608	4847	〃	14 07	31 12	〃	6733	6161	40	12	3	298	−2578	67169	〃
〃	609	4858	〃	15 41	32 46	〃	3114	2849	57	18	5	313	−5897	63850	〃
〃	610	4860	〃	15 59	33 04	〃	2830	2589	63	19	5	316	−6159	63588	〃
〃	611	4862	〃	16 18	33 23	〃	2140	1958	85	26	5	319	−6786	62961	〃
〃	612	4864	〃	16 38	33 43	〃	2358	2158	50	15	4	322	−6601	63146	〃
〃	〃	〃	〃	16 42		433	7246	6630	〃	〃	4				〃
〃	612R		〃	17 13	34 14	〃	4291	3926	—	—	4	326	−9324	60423	〃
〃	〃		〃	17 17		427	6978	6385	—	—	4				〃
〃	613	4867	〃	17 34	34 31	〃	4328	3960	57	18	2	329	−11736	58011	〃
〃	〃	〃	〃	17 38		434	1213	1110	〃	〃	2				〃
〃	$613R_1$		〃	17 58	34 51	〃	4550	4163	—	—	2	333	−8705	61042	〃
〃	〃		〃	18 01		443	0533	0488	—	—	2				〃
〃	$613R_2$		〃	18 22	35 12	〃	5645	5165	—	—	2	336	−4031	65716	〃
〃	〃		〃	18 25		453	1161	1062	—	—	2				〃
〃	592	J. 1562	〃	19 20	36 07	〃	5931	5427	41	13	− 1	345	335	70082	〃
〃	Gojô		〃	21 13	38 00	〃	5799	5306	27	8	− 6	363	186	69933	〃
〃	〃		VII12	14 15		〃	5903	5401	〃	〃	− 1				〃
29	590	1565	〃	15 11	38 56	〃	5635	5156	69	21	0	371	− 53	69694	〃
〃	Shinwakanoura		〃	18 46	42 31	〃	5912	5409	27	8	− 1	406	151	69898	〃
〃	〃		VII14	9 13		〃	6164	5640	〃	〃	12				〃
〃	〃		〃	9 19		460	3029	2772	〃	〃	12				〃
〃	572	Wakayama P.O.*	〃	10 56	44 08	〃	3620	3312	27	8	6	421	670	70417	〃
〃	614	Wakayama W.S.**	〃	12 34	45 46	〃	3467	3172	27	8	− 1	437	507	70254	〃
〃	573	J. 273	〃	12 56	46 08	〃	2900	2654	72	22	− 1	440	0	69747	〃

* Wakayama Prefecture Office.

** Weather Station, Outdoor Seismometer Pier.

Table VI. Results along Route 7. (0.01 mgol.).

Route 7. B.M. 213—Kinomoto—B.M. 196.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD*	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	7.62 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
24	326	213	XII 4	8 51	0 00	1807	1653	85	26	− 3	0	0	70325	26
〃	1042	Ôtsu P.O.**	〃	8 56	05	1866	1707	27	8	− 3	1	35	70360	〃
〃	1043	1301	〃	9 20	29	0892	0816	84	26	− 3	4	− 841	69484	〃
〃	〃	〃	〃	9 22		3149	2881	〃	〃	− 3				〃
〃	1044	1303	〃	9 34	41	3281	3002	50	15	− 6	5	− 735	69590	〃
〃	1045	1305	〃	9 52	59	3470	3175	98	30	− 6	8	− 550	69775	〃
〃	1046	1307	〃	10 05	1 12	3780	3459	52	16	− 6	9	− 281	70044	〃
〃	1047	1309	〃	10 21	1 28	3764	3444	57	18	− 6	11	− 296	70029	〃
〃	1048	1311	〃	10 33	1 40	3635	3326	47	15	− 7	13	− 420	69905	〃
〃	1049	1313	〃	10 50	1 57	3388	3100	55	17	− 7	15	− 646	69679	〃
〃	1050	1315	〃	11 02	2 09	4178	3823	88	27	− 7	17	85	70410	〃
〃	1051	1317	〃	11 13	2 20	4805	4397	51	16	− 7	18	647	70972	〃
〃	1052	1320	〃	11 32	2 39	4133	3782	66	20	− 8	21	32	70357	〃
〃	1053	1322	〃	11 43	2 50	4872	4458	56	17	− 8	21	705	71030	〃
〃	1054	1324	〃	12 03	3 10	5408	4948	56	17	− 8	24	1192	71517	〃
〃	1055	1326	〃	12 15	3 22	5745	5257	51	16	− 8	26	1498	71823	〃
〃	1056	1328	〃	13 14	4 21	6080	5563	73	23	− 6	34	1805	72130	〃
〃	1057	1331	〃	13 32	4 39	5195	4753	26	8	− 4	36	980	71305	〃
〃	1058	1333	〃	14 02	5 09	5858	5360	67	21	− 4	40	1596	71921	〃
〃	〃	〃	〃	14 06		4021	3679	〃	〃	− 4				〃
〃	1059	10504	〃	15 45	6 48	5016	4590	59	18	− 1	52	2495	72820	〃
〃	1060	10506	〃	16 00	7 03	5347	4893	54	17	− 1	54	2795	73120	〃
〃	1061	10508	〃	16 15	7 18	5009	4583	52	16	− 1	56	2482	72807	〃
〃	Kinomoto		〃	16 44	7 47	5102	4668	27	8	− 1	59	2556	72881	〃
〃	〃		XII 5	8 35		5191	4750	〃	〃	− 4				〃

* The large dial was removed. Main spring resetting was made by a screw driver.

** Shiga Prefecture Office.

〃	1062	10502	〃	9 22	8 34	5334	4881	62	19	− 4	65	2692	73017	〃
〃	1063	10500	〃	9 36	8 48	5634	5155	48	15	− 3	67	2961	73286	〃
〃	1064	10498	〃	9 54	9 06	5654	5173	75	23	− 3	69	2985	73310	〃
〃	1065	10495	〃	10 32	9 44	4791	4384	63	19	− 6	74	2184	72509	〃
〃	1066	10493	〃	10 46	9 58	3903	3571	77	24	− 6	76	1374	71699	〃
〃	1067	10491	〃	10 58	10 10	4031	3688	53	16	− 6	78	1481	71806	〃
〃	1068	Ibukiyama W.S.*	〃	11 16	10 28	3909	3577	27	8	− 6	80	1360	71685	〃
〃	345	196	〃	13 50	13 02	4432	4055	42	13	− 6	99	1824	72149	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Table VII. Results along Route 8. (0.01 mgal.).

Route 8_1 Kyôto—B.M. 241—B.M. 1257—Fukuchiyama—No. 880—Miyazu—B.M. 1229—Mineyama—No. 1039—Kyôto.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	$0.9150 \times SD$	h (cm)	$0.3086 \times h$	$E.T.$	$3.68 \times \sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
25	Kyôto		XI 29	9 04	0 00	2767	2532	27	8	− 8	0	0	72371	24
〃	321	241	〃	9 10	06	2963	2711	45	14	− 8	0	185	72556	〃
〃	975	1298	〃	9 42	38	3548	3246	87	27	− 5	2	734	73105	〃
〃	976	1296	〃	10 00	56	2915	2667	59	18	− 5	3	145	72516	〃
〃	977	1293	〃	10 20	1 16	0650	0595	101	31	− 5	5	−1916	70455	〃
〃	978	1291	〃	10 36	1 32	2707	2477	57	18	− 2	6	− 45	72326	〃
〃	979	1289	〃	10 55	1 51	2738	2505	51	16	− 2	7	− 20	72351	〃
〃	980	1287	〃	11 05	2 01	2724	2492	64	20	− 2	7	− 29	72342	〃
〃	981	1285	〃	11 24	2 20	3242	2966	44	14	− 2	8	438	72809	〃
〃	982	1283	〃	11 35	2 31	3724	3407	70	22	− 1	9	887	73258	〃
〃	983	1281	〃	11 55	2 51	3950	3614	93	29	− 1	11	1099	73470	〃
〃	984	1278	〃	12 10	3 06	2870	2626	71	22	− 1	11	104	72475	〃
〃	985	1275	〃	12 50	3 46	2967	2715	55	17	− 2	14	184	72555	〃
〃	986	1273	〃	13 05	4 01	3204	2932	49	15	− 2	15	398	72769	〃
〃	987	1270	〃	13 25	4 21	4298	3933	58	18	− 2	16	1401	73772	〃

Table VII. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	3.68 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
25	988	1268	XI 29	13 35	4 31	4832	4421	57	18	− 5	17	1885	74256	24
〃	989	1265	〃	14 00	4 56	6046	5532	72	22	− 5	18	2999	75370	〃
〃	990	1263	〃	14 20	5 16	6726	6154	53	16	− 5	20	3613	75984	〃
〃	〃	〃	〃	14 25		4014	3673	〃	〃	− 5				〃
〃	991	1261	〃	14 30	5 21	4834	4423	60	19	− 5	20	4366	76737	〃
〃	992	1259	〃	14 50	5 41	5438	4976	69	21	− 8	21	4917	77288	25
〃	993	1257	〃	15 50	6 41	6292	5757	72	22	−10	25	5693	78064	〃
〃	〃	〃	〃	18 15		6303	5767	71	22	− 9				〃
〃	Fukuchiyama		〃	18 25	6 51	5855	5357	27	8	− 9	25	5269	77640	〃
〃	〃		XI 30	8 51		4025	3683	〃	〃	−10				〃
〃	999	1365	〃	10 15	8 15	7445	6812	67	21	− 7	31	8408	80779	〃
〃	〃	〃	〃	10 20		3515	3216	〃	〃	− 7				〃
〃	1000	1363	〃	10 35	8 30	1775	1624	62	19	− 5	31	6816	79187	〃
〃	1001	1361	〃	10 55	8 50	3237	2962	65	20	− 5	32	8154	80525	〃
〃	1002	1359	〃	11 05	9 00	2550	2333	57	18	− 5	33	7522	79893	〃
25·17	880	P.B.*	〃	11 15	9 10	1595	1459	27	8	− 5	34	6637	79008	〃
25	1003	Maizuru M.O.**	〃	11 46	9 41	2745	2512	27	8	− 3	36	7690	80061	〃
〃	1004	〃 ***	〃	11 57	9 52	2688	2460	27	8	− 3	36	7638	80009	〃
〃	1005	〃 ****	〃	13 20	11 15	3334	3051	27	8	− 3	42	8223	80594	〃
〃	1006	1367	〃	13 55	11 50	3519	3220	47	15	− 4	43	8397	80768	〃
〃	1007	1368	〃	14 25	12 20	4210	3852	66	20	− 4	45	9032	81403	〃
〃	1008	1370	〃	14 35	12 30	4044	3700	60	19	− 7	46	8875	81246	〃
〃	1009	F. 11	〃	14 55	12 50	2982	2729	50	15	− 7	47	7899	80270	〃
〃	1010	1375	〃	15 15	13 10	2879	2634	54	17	− 7	49	7804	80175	〃
〃	1011	*****	〃	16 10	14 05	3873	3544	75	23	− 9	52	8715	81086	〃

* Prefecture Boundary.

** Marine Observatory, on Concrete Road.

*** Marine Observatory Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

**** Marine Observatory, Entrance to the Main Building.

***** Ground Level Entrance, Civil Engineering Branch Station at Miyazu.

〃	1012		1241	〃	16 25	14 20	3833	3507	67	21	− 9	53	8675	81046	〃
〃	1013		1239	〃	16 40	14 35	4508	4125	83	26	−11	54	9295	81666	〃
〃	1014		1237	〃	16 55	14 50	4459	4080	67	21	−11	54	9245	81616	〃
〃	1015		10460	〃	18 00	15 55	3094	2831	57	18	−10	59	7989	80360	〃
〃	1016		1235	〃	18 15	16 10	3733	3416	90	28	−10	60	8583	80954	〃
〃	Miyazu			〃	19 03	16 58	4020	3678	27	8	− 8	63	8824	81195	〃
〃	〃			XII 1	8 20		4097	3749	〃	〃	− 9				〃
〃	1017		1233	〃	9 07	17 45	3423	3132	54	17	−10	66	8212	80583	〃
〃	1018		1231	〃	9 22	18 00	4241	3881	135	42	−10	66	8986	81357	〃
〃	1019		1229	〃	9 36	18 14	4854	4441	96	30	− 9	67	9534	81905	〃
〃	〃		〃	〃	17 18		4878	4463	71	22	− 9				〃
〃	Mineyama			〃	17 25	18 21	4887	4472	27	8	− 9	68	9528	81899	〃
〃	〃			XII 2	8 45		4998	4573	〃	〃	− 9				〃
〃	1036		10463	〃	9 35	19 11	2710	2480	−45	−14	− 9	71	7410	79781	〃
〃	1037		10466	〃	10 00	19 36	1828	1673	62	19	− 9	72	6635	79006	〃
〃	1038		10468	〃	10 25	20 01	1169	1070	60	19	− 9	74	6030	78401	〃
〃	〃		〃	〃	10 27		7508	6870	〃	〃	− 9				〃
〃	1039		*	〃	13 40	23 14	6271	5738	27	8	− 3	85	4882	77253	〃
〃	〃			〃	13 50		7464	6830	〃	〃	− 3				〃
〃	1040		1277	〃	15 08	24 32	2483	2272	71	22	− 3	90	333	72704	〃
〃	320	Kyôto	W.S.**	〃	16 51	26 15	2691	2462	27	8	− 7	97	498	72869	〃
〃	1041		242	〃	17 10	26 34	2511	2298	107	33	− 7	98	358	72729	26
〃	Kyôto			〃	17 30	26 54	2149	1966	27	8	− 7	99	0	72371	〃

* Right Side Entrance, Civil Engineering Branch Station at Ayabe.

** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Route 8_2 B.M. 1257—B.M. 1245—B.M. 1257.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	4.58× $\Sigma\delta T$ Drift	adjustment	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m										
25	993	1257	XI 29	15 50	0 00	6292	5757	72	22	−10	0	0	0	78064	25
〃	994	1255	〃	16 00	10	6877	6292	48	15	−10	1	−64	591	78655	〃
〃	995	1253	〃	16 15	25	6443	5895	48	15	−10	2	−16	145	78209	〃
〃	996	1251	〃	16 30	40	6648	6083	45	14	−10	3	−38	353	78417	〃
〃	997	1249	〃	16 45	55	6260	5728	64	20	−11	4	4	− 40	78024	〃
〃	998	1247	〃	17 00	1 10	6073	5557	53	16	−11	5	26	− 238	77826	〃
27	950	1245	〃	17 15	1 25	3533	3233	40	12	−11	6	307	−2848	75216	〃
25	993	1257	〃	18 15	2 25	6303	5767	71	22	− 9	11	0	0	78064	〃

Route 8_3 B.M. 1229—Kawanashi Pass (No. 959)—B.M. 10476—B.M. 1229.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	1.82× $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
25	1019	1229	XII 1	9 36	0 00	4854	4441	96	30	− 9	0	0	81905	25
〃	1020	10477	〃	9 57	21	5085	4653	74	23	− 9	1	204	82109	〃
〃	1021	10479	〃	10 53	1 17	6299	5764	50	15	− 7	2	1308	83213	〃
〃	1022	10481	〃	11 07	1 31	6256	5724	100	31	− 7	3	1283	83188	〃
〃	1023	10483	〃	11 36	2 00	5486	5020	65	20	− 5	4	569	82474	〃
〃	1024	10486	〃	12 06	2 30	5692	5208	221	68	− 5	5	804	82709	〃
〃	1025	10488	〃	12 21	2 45	5642	5162	71	22	− 5	5	712	82617	〃
〃	1026	1218	〃	12 35	2 59	5503	5035	81	25	− 4	5	589	82494	〃
〃	1027	1216	〃	13 28	3 52	3971	3633	153	47	− 4	7	− 793	81112	〃
27	959	Kawanashi Pass P.B.*	〃	13 41	4 05	1009	0923	56	17	− 3	7	−3532	78373	〃
25	1028	1221	〃	14 29	4 53	4650	4255	61	19	− 3	9	− 200	81705	〃
〃	1029	1223	〃	14 47	5 11	3556	3254	72	22	− 5	9	−1200	80705	〃
〃	1030	1225	〃	14 58	5 22	2405	2201	88	27	− 5	10	−2249	79656	〃
〃	1031	1227	〃	15 10	5 34	4078	3731	54	17	− 5	10	− 729	81176	〃
〃	1032	10470	〃	15 34	5 58	5185	4744	63	19	− 7	11	283	82188	〃

* Kawanashi Pass Prefecture Boundary.

〃	1033	10472	〃	15 48	6 12	6183	5657	66	20	− 7	11	1197	83102	〃
〃	1034	10474	〃	16 00	6 24	6720	6149	70	22	− 7	12	1690	83595	〃
〃	1035	10476	〃	16 13	6 37	6533	5978	87	27	− 7	12	1524	83429	〃
〃	1019	1229	〃	17 18	7 42	4878	4463	71	22	− 9	14	0	81905	〃

Table VIII. Results along Route 9. (0.01 mgal.).

Route 9_1 B.M. J. 1164—Kawanashi Pass No. 959—Yôka—B.M. 1137—Yôka—B.M. J. 1164.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$7.95\times\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
27	953	J. 1164	XI 26	15 43	0 00	6278	5744	51	16	− 7	0	0	78223	24
〃	954	1204	〃	16 21	38	6941	6351	51	16	− 7	5	602	78825	〃
〃	〃	〃	〃	16 25		3973	3635	〃	〃	− 7				〃
〃	955	1207	〃	16 44	57	4690	4291	49	15	− 4	8	1257	79480	〃
〃	956	1209	〃	16 57	1 10	5406	4946	41	13	− 4	10	1908	80131	〃
〃	957	1211	〃	17 10	1 23	5944	5439	41	13	− 4	11	2400	80623	〃
〃	958	1213	〃	17 22	1 35	6475	5925	48	15	− 4	13	2886	81109	〃
〃	959	Kawanashi Pass P.B.	〃	17 40	1 53	3150	2882	64	20	0	15	150	78373	〃
〃	960	Toyooka W.S.*	〃	18 12	2 25	5597	5121	27	8	0	19	2073	80296	〃
〃	961	〃 **	〃	18 16	2 29	5572	5098	69	21	0	20	2062	80285	〃
〃	Yôka		〃	19 35	3 48	3323	3041	27	8	11	30	− 7	78216	〃
〃	〃		XI 27	9 02		3431	3139	〃	〃	− 1				〃
〃	962	1162	〃	9 28	4 14	2220	2031	69	21	− 1	33	−1105	77118	〃
〃	963	1160	〃	9 40	4 26	0946	0866	67	21	0	35	−2271	75952	〃
〃	〃	〃	〃	9 43		5027	4600	〃	〃	0				〃
〃	964	1158	〃	9 57	4 40	4038	3695	61	19	0	37	−3180	75043	〃
〃	965	1157	〃	10 06	4 49	3416	3126	51	16	0	38	−3753	74470	〃
〃	966	1153	〃	10 52	5 35	1332	1219	64	20	0	45	−5663	72560	〃
〃	967	1151	〃	11 10	5 53	3512	3213	54	17	0	47	−3674	74549	〃
〃	968	1149	〃	11 35	6 18	4571	4182	30	9	− 1	50	−2717	75506	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

** Weather Station Bench Mark.

Table VIII. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	7.95 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
27	969	1147	XI 27	11 47	6 30	5284	4835	48	15	− 1	52	−2060	76163	24
〃	970	1145	〃	12 20	7 03	0104	0095	72	22	− 2	56	−6798	71425	〃
〃	971	1143	〃	12 40	7 23	3504	3206	63	19	− 5	59	−3696	74527	〃
〃	972	1141	〃	13 00	7 43	7231	6616	57	18	− 5	61	− 289	77934	〃
〃	973	1137	〃	15 20	10 03	6411	5866	31	10	− 9	80	−1070	77153	〃
〃	〃	〃	〃	15 24		4024	3682	〃	〃	− 9				〃
〃	974	1139	〃	15 38	10 17	6389	5846	60	19	−10	82	1100	79323	〃
〃	Yôka		〃	20 30	15 09	5195	4753	27	8	10	121	− 23	78200	〃
〃	〃		XI 28	9 13		5293	4843	〃	〃	− 5				〃
〃	953	J. 1164	〃	9 40	15 36	5308	4857	55	17	− 2	124	0	78223	〃

Route 9_2 B.M. 422—Himeji—B.M. 1245—B.M. 1164—B.M. 422.

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	7.58 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
27	919	422	XI 25	17 00	0 00	7190	6579	68	21	− 1	0	0	74703	23
〃	Himeji		〃	17 08	8	7198	6586	27	8	− 1	1	− 7	74696	〃
〃	〃		XI 26	8 47		4053	3708	〃	〃	2				〃
〃	931	Himeji W.S.*	〃	9 08	29	3802	3479	27	8	2	4	− 239	74464	〃
〃	932	〃 **	〃	9 14	35	3803	3480	71	22	2	5	− 225	74478	〃
〃	933	1200	〃	9 37	58	3499	3202	40	12	1	8	− 517	74186	〃
〃	934	1198	〃	9 49	1 10	3016	2760	65	20	1	9	− 952	73751	〃
〃	935	1196	〃	10 13	1 34	3335	3052	58	18	1	12	− 665	74038	〃
〃	936	1194	〃	10 30	1 51	2810	2571	47	15	1	14	−1151	73552	〃
〃	937	1192	〃	10 55	2 16	2673	2446	74	23	0	17	−1272	73431	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.
** Weather Station Bench Mark.

〃	938	1190	〃	11 07	2 28	1650	1510	68	21	0	19	−2212	72491	〃
〃	〃	〃	〃	11 09		6053	5538	〃	〃	0				〃
〃	939	1188	〃	11 22	2 41	5850	5353	77	24	0	20	−2395	72308	〃
〃	940	1186	〃	11 35	2 54	5329	4876	68	21	− 2	22	−2879	71824	〃
〃	941	1184	〃	11 48	3 07	4169	3815	61	19	− 2	23	−3943	70760	24
〃	942	1182	〃	12 00	3 19	2087	1910	56	17	− 2	25	−5852	68851	〃
〃	943	1180	〃	13 01	4 20	4097	3749	80	25	− 6	33	−4017	70686	〃
〃	944	1178	〃	13 16	4 35	6258	5726	93	29	− 6	35	−2038	72665	〃
〃	945	1176	〃	13 28	4 47	7133	6527	63	19	− 6	36	−1248	73455	〃
〃	〃	〃	〃	13 31		3434	3142	〃	〃	− 8				〃
〃	946	1174	〃	13 40	4 56	3379	3092	76	23	− 8	37	−1295	73408	〃
〃	947	1172	〃	13 53	5 09	5106	4672	74	23	− 8	39	283	74986	〃
〃	948	1170	〃	14 08	5 24	6546	5990	68	21	− 8	41	1597	76300	〃
〃	949	1243	〃	14 26	5 42	5841	5345	46	14	− 8	43	943	75646	〃
〃	950	1245	〃	14 43	5 59	5376	4919	43	13	− 9	45	513	75216	〃
〃	〃	〃	〃	14 45		2988	2734	〃	〃	− 9				〃
〃	951	1168	〃	15 20	6 34	4861	4448	66	20	− 9	50	2229	76932	〃
〃	952	1166	〃	15 32	6 46	5824	5329	74	23	− 7	52	3113	77816	〃
〃	953	1164	〃	15 43	6 57	6278	5744	51	16	− 7	53	3520	78223	〃
〃	〃	〃	XI 28	9 40		5308	4857	55	17	− 2				〃
〃	919	422	〃	12 15	9 32	1476	1351	67	21	− 1	72	0	74703	〃

Route 9_3 B.M. 422—Funasaka Pass (No. 930)—B.M. 422.

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.13 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
27	919	422	XI 25	10 44	0 00	2942	2692	68	21	− 1	0	0	74703	23
〃	920	421	〃	10 55	11	2787	2550	51	16	− 1	1	− 148	74555	〃
〃	921	F 23	〃	11 12	28	1433	1311	42	13	− 1	3	−1392	73311	〃
〃	922	417	〃	11 30	46	1982	1814	82	26	− 1	5	− 878	73825	〃
〃	923	415	〃	11 55	1 11	2073	1897	56	17	− 4	7	− 809	73894	〃

Table VIII. (Continued)

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	6.13 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
27	924	413	XI 25	13 36	2 52	2099	1921	67	21	− 8	18	− 796	73907	23
〃	925	410	〃	14 02	3 18	1453	1329	58	18	− 8	20	−1393	73310	〃
〃	926	408	〃	14 22	3 38	1214	1111	54	17	− 8	22	−1614	73089	〃
〃	927	406	〃	14 36	3 52	1243	1137	57	18	− 7	24	−1588	73115	〃
〃	〃	〃	〃	14 40		5449	4986	〃	〃	− 7				〃
〃	928	404	〃	14 56	4 08	5140	4703	47	15	− 7	25	−1875	72828	〃
〃	929	402	〃	15 08	4 20	4304	3938	60	19	− 7	26	−2637	72066	〃
27·32	930	Funasaka Pass P.B.*	〃	15 20	4 32	2469	2259	27	8	− 7	28	−4329	70374	〃
27	919	422	〃	17 00	6 12	7190	6579	68	21	− 1	38	0	74703	〃

* Funasaka Pass Prefecture Boundary.

Table IX. Results along Route 10. (0.01 mgal.).

Route 10_1 Kôbe (No. 897)—Kakogawa—B.M. 422—Kôbe (No. 897).

Pref.	No.	B.M.	Date 1951	Time	$\sum\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	3.96 × $\sum\delta T$ Drift	$\sum\delta g$	g 979.	Field Note No.
				h m	h m									
27	897	Kôbe P. O.*	XI 24	14 57	0 00	4065	3719	27	8	− 7	0	0	71466	23
〃	906	451	〃	15 41	44	4313	3946	67	21	− 5	3	239	71705	〃
〃	907	449	〃	16 00	1 03	4324	3956	79	24	− 5	4	251	71717	〃
〃	908	447	〃	16 16	1 19	4510	4127	55	17	− 5	5	414	71880	〃
〃	909	445	〃	16 34	1 37	5358	4903	78	24	− 3	6	1198	72664	〃
〃	910	443	〃	16 46	1 49	5749	5260	64	20	− 3	7	1550	73016	〃
〃	911	441	〃	17 13	2 16	5695	5211	86	27	− 3	9	1506	72972	〃
〃	912	439	〃	17 28	2 31	5014	4588	56	17	− 3	10	872	72338	〃
〃	913	436	〃	18 02	3 05	4621	4228	51	16	1	12	513	71979	〃
〃	914	434	〃	18 23	3 26	5202	4760	56	17	1	13	1045	72511	〃

* Hyôgo Prefecture Office.

〃	915	432	〃	18 49	3 52	5753	5264	44	14	5	15	1548	73014	〃
〃	Kakogawa		〃	19 09	4 12	5865	5366	27	8	5	17	1642	73108	〃
〃	〃		XI 25	8 36		5964	5457	〃	〃	3				〃
〃	916	429	〃	9 07	4 43	6072	5556	45	14	3	19	1745	73211	〃
〃	917	427	〃	9 23	4 59	6817	6238	62	19	3	20	2431	73897	〃
〃	〃	〃	〃	9 25		2054	1879	〃	〃	3				〃
〃	918	425	〃	9 40	5 14	2547	2331	69	21	1	21	2882	74348	〃
〃	919	422	〃	10 44	6 18	2942	2692	68	21	− 1	25	3237	74703	〃
〃	〃	〃	XI 28	12 18		5543	5072	67	〃	− 1				24
〃	897	Kôbe P. O.	〃	16 36	10 36	2048	1874	27	8	−10	42	0	71466	〃

Route 10_2 Kôbe (No. 897)—B.M. 465—Kôbe (No. 897).

Pref.	No.	B.M.	Date 1951	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	$4.07 \times \Sigma\delta T$ Drift	$\Sigma\delta g$	g 979.	Field Note No.
				h m	h m									
27	897	Kôbe P. O.	XI 24	9 36	0 00	4029	3687	27	8	3	0	0	71466	23
〃	898	458	〃	10 40	1 04	3321	3039	129	40	0	4	− 623	70843	〃
〃	899	10701	〃	10 59	1 23	3148	2880	60	19	0	6	− 805	70661	〃
〃	900	461	〃	11 30	1 54	3696	3382	61	19	− 3	8	− 308	71158	〃
〃	901	463	〃	11 44	2 08	3572	3268	48	15	− 3	9	− 427	71039	〃
〃	902	465	〃	12 15	2 39	3956	3620	93	29	− 3	11	− 63	71403	〃
〃	903	456	〃	14 09	4 33	3019	2762	65	20	− 7	19	− 942	70524	〃
〃	904	455	〃	14 27	4 51	3342	3058	52	16	− 7	20	− 651	70815	〃
〃	905	453	〃	14 44	5 08	3862	3534	60	19	− 7	21	− 173	71293	〃
〃	897	Kôbe P. O.	〃	14 57	5 21	4065	3719	27	8	− 7	22	0	71466	〃

Route 10_3 Kôbe (No. 3631)—No. 3635—B.M. 284—Kôbe (No. 3668).

Pref.	No.	B.M.	Date 1953	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	5.39 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g − 979.	Field Note No.
				h m	h m									
27	3631	Kôbe P.O.	IV 1	10 37	0 00	1987	1818	27	8	10	0	0	71466	70
〃	3632	447	〃	13 19	2 42	2433	2226	59	18	13	15	406	71872	〃
〃	3633	445	〃	13 37	3 00	3273	2995	76	23	12	16	1178	72644	〃
〃	3634	443	〃	13 52	3 15	3672	3360	61	19	12	18	1537	73003	〃
〃	3635	Akashi Harbour	〃	14 27	3 50	3645	3335	27	8	12	20	1499	72965	〃
〃	3636	Iwaya Harbour	〃	15 41	5 04	4056	3711	55	17	2	27	1867	73333	〃
〃	3637	Ura Harbour	〃	16 11	5 34	2834	2593	27	8	2	30	737	72203	〃
〃	$3638._1$	Kariya Harbour	〃	16 33	5 56	2087	1910	27	8	− 3	32	47	71513	〃
〃	$3638._2$	〃	〃	16 38		5944	5439	〃	〃	− 3				〃
〃	3639	Sano Harbour	〃	17 10	6 28	5725	5238	27	8	− 3	35	− 157	71309	〃
〃	3640	Shioda Harbour	〃	17 38	6 56	5578	5104	27	8	− 7	37	− 297	71169	〃
〃	3641	284	〃	18 12	7 30	3512	3213	27	8	− 7	40	−2191	69275	〃
〃	$3667._2$	〃	IV 3	18 11		1776	1625	〃	〃	2				〃
〃	3668	Kôbe P.O.	〃	20 51	10 10	4195	3838	27	8	− 5	55	0	71466	〃

Route 10_4 B.M. 284—B.M. 280—B.M. 286—B.M. 298—B.M. 295—B.M. 284.

Pref.	No.	B.M.	Date 1953	Time	$\Sigma\delta T$	SD	0.9150 × SD	h (cm)	0.3086 × h	$E.T.$	2.57 × $\Sigma\delta T$ Drift	$\Sigma\delta g$	g − 979.	Field Note No.
				h m	h m									
27	3641	284	IV 2	10 08	0 00	3616	3309	27	8	2	0	0	69275	70
〃	3643	283	〃	10 22	14	3530	3230	29	9	2	1	− 79	69196	〃
〃	3644	280	〃	10 47	39	3078	2816	67	21	7	2	− 477	68798	〃
〃	3645	281	〃	11 02	54	2838	2597	49	15	7	2	− 702	68573	〃
〃	3646	282	〃	11 19	1 11	3126	2860	69	21	7	3	− 434	68841	〃

〃	3647	Sumoto	W.S.*	〃	11 56	1 48	1029	0942	27	8	12	5	−2362	66913	〃
〃	3648		286	〃	13 37	3 29	4207	3849	44	14	13	9	548	69823	〃
〃	3649		289	〃	14 17	4 09	2710	2480	76	23	13	11	− 814	68461	〃
〃	3650		290	〃	14 30	4 22	2510	2297	79	24	11	11	− 998	68277	〃
〃	3651		291	〃	14 41	4 33	1995	1825	27	8	11	12	−1487	67788	〃
〃	3652		292	〃	15 00	4 52	1969	1802	42	13	11	13	−1506	67769	〃
〃	3653		294	〃	15 19	5 11	2295	2100	64	20	11	13	−1201	68074	〃
〃	3654		298	〃	15 56	5 48	2287	2093	74	23	7	15	−1211	68064	〃
〃	3655		295	〃	16 31	6 23	2863	2620	55	17	2	16	− 696	68579	〃
〃	3666		〃	IV 3	17 07		3040	2782	60	19	6				〃
〃	3667.1		284	〃	18 05	7 21	3821	3496	27	8	2	19	0	69275	〃

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

(23) Mie Prefecture.

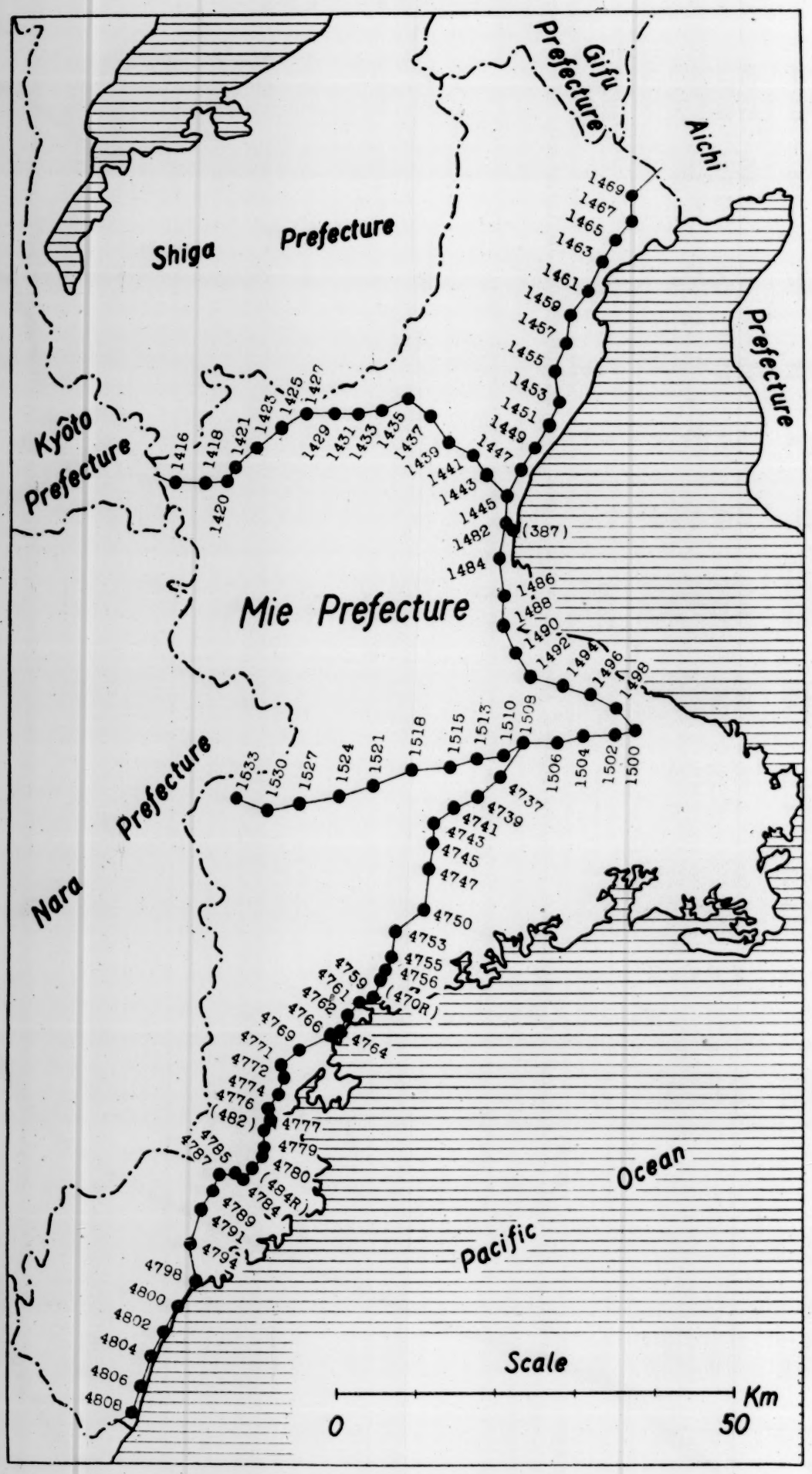

Fig. 2. Gravity Stations in Mie Prefecture.

Table X. Synoptic Results for Mie Prefecture (I).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	Helmert Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		34° ′	136°′											
1416	402	45.9	03.9	129.17	VI 21	72625	7661	7517	7100	56.1	41.7	7257	40.4	26.0
1418	401	45.4	05.8	182.91	〃	71690	7734	7529	7093	64.1	43.6	7250	48.4	27.9
1420	400	45.8	08.0	147.92	〃	72161	7673	7507	7099	57.4	40.8	7256	41.7	25.1
〃	〃	〃	〃	〃	VI 20	72156	7672	7507	〃	57.3	40.8	〃	41.6	25.1
1421	399	46.5	08.6	141.91	〃	72070	7645	7486	7109	53.6	37.7	7265	38.0	22.1
1423	398	47.9	10.1	148.19	〃	71511	7608	7443	7128	48.0	31.5	7285	32.3	15.8
1425	397	48.9	12.1	176.61	〃	70068	7552	7354	7143	40.9	21.1	7299	25.3	5.5
1427	396	50.1	14.2	209.68	〃	68964	7544	7309	7159	38.5	15.0	7316	22.8	− 0.7
1429	395	50.5	16.8	280.53	〃	67779	7644	7330	7165	47.9	16.5	7322	32.2	0.8
1431	394	50.4	18.7	203.13	〃	69565	7583	7356	7164	41.9	19.2	7320	26.3	3.6
1433	393	50.5	21.0	149.41	〃	70783	7539	7372	7165	37.4	20.7	7322	21.7	5.0
1435	392	51.1	22.9	94.47	〃	71780	7470	7364	7174	29.6	19.0	7330	14.0	3.4
1437	391	50.1	24.6	63.64	〃	71466	7343	7272	7159	18.4	11.3	7316	2.7	− 4.4
1439	390	48.4	25.6	73.71	〃	71468	7374	7292	7135	23.9	15.7	7292	8.2	0.0
1441	389	47.6	27.8	40.11	〃	71843	7308	7263	7124	18.4	13.9	7281	2.7	− 1.8
1443	388	46.0	29.4	15.44	〃	72877	7335	7318	7102	23.3	21.6	7258	7.7	6.0
J. 1445	385	44.6	31.0	0.90	VI 19	72893	7292	7291	7082	21.0	20.9	7239	5.3	5.2
1447	384	46.0	31.8	2.29	〃	72810	7288	7286	7102	18.6	18.4	7258	3.0	2.8
1449	383	47.7	33.4	2.14	〃	72413	7248	7246	7126	12.2	12.0	7282	− 3.4	− 3.6
1451	382	49.0	35.0	1.42	〃	71943	7199	7197	7144	5.5	5.3	7301	−10.2	−10.4
1453	381	50.8	35.8	11.23	〃	71002	7135	7122	7169	− 3.4	− 4.7	7326	−19.1	−20.4
1455	380	52.5	35.2	9.14	〃	70523	7081	7070	7193	−11.2	−12.3	7350	−26.9	−28.0
1457	379	54.4	36.0	8.54	〃	70402	7067	7057	7220	−15.3	−16.3	7377	−31.0	−32.0
1459	378	56.5	36.0	2.37	〃	70642	7072	7069	7250	−17.8	−18.1	7406	−33.4	−33.7
1461	377	58.0	37.8	3.26	〃	70817	7092	7088	7271	−17.9	−18.3	7427	−33.5	−33.9
1463	376	59.9	39.1	1.10	〃	71095	7113	7112	7298	−18.5	−18.6	7454	−34.1	−34.2
		35°												
1465	375	01.8	39.7	6.36	〃	71320	7152	7145	7325	−17.3	−18.0	7481	−32.9	−33.6
1467	374	03.2	41.3	1.23	〃	71503	7154	7153	7345	−19.1	−19.2	7501	−34.7	−34.8
1469	373	04.6	41.2	5.58	〃	71661	7183	7177	7365	−18.2	−18.8	7521	−33.8	−34.4

Synoptic Results for Mie Prefecture (II).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		34° ′	136°′											
1482	386	42.6	30.8	1.85	VI 19	72857	7291	7289	7054	23.7	23.5	7211	8.0	7.8
〃	〃	〃	〃	〃	VI 20	72838	7290	7287	〃	23.6	23.3	〃	7.9	7.6
〃	〃	〃	〃	〃	VI 24	72848	7291	7288	〃	23.7	23.4	〃	8.0	7.7
Tsu W. S.*	387	42.1	31.2	3.60	VI 20	72723	7283	7279	7047	23.6	23.2	7203	8.0	7.6
1484	439	40.7	30.8	1.64	VI 25	72958	7301	7299	7027	27.4	27.2	7184	11.7	11.5
1486	440	38.6	31.0	7.18	〃	73119	7334	7326	6997	33.7	32.9	7154	18.0	17.2
1488	441	36.6	30.8	2.13	〃	74019	7409	7406	6969	44.0	43.7	7126	28.3	28.0
1490	442	34.8	31.6	7.96	〃	74202	7445	7436	6944	50.1	49.2	7101	34.4	33.5
1492	443	33.2	33.0	4.98	〃	74229	7438	7433	6921	51.7	51.2	7078	36.0	35.5
1494	444	32.4	35.6	10.77	〃	73421	7375	7363	6910	46.5	45.3	7067	30.8	29.6
1496	445	31.8	38.0	8.58	〃	73742	7401	7391	6902	49.9	48.9	7059	34.2	33.2
1498	446	30.8	40.2	9.83	〃	73660	7396	7385	6888	50.8	49.7	7045	35.1	34.0
1500	447	29.5	41.7	4.84	〃	73415	7356	7351	6869	48.7	48.2	7027	32.9	32.4
1502	448	29.2	40.0	14.38	〃	73255	7370	7354	6865	50.5	48.9	7022	34.8	33.2
1504	449	29.0	37.5	22.32	〃	73276	7397	7372	6862	53.5	51.0	7020	37.7	35.2
1506	450	28.5	34.8	41.99	〃	73093	7439	7392	6855	58.4	53.7	7013	42.6	37.9
1508	451	28.7	33.0	38.43	〃	73373	7456	7413	6858	59.8	55.5	7015	44.1	39.8
〃	〃	〃	〃	〃	VI 26	73342	7453	7410	〃	59.5	55.2	〃	43.8	39.5
〃	〃	〃	〃	〃	VI 27	73330	7452	7409	〃	59.4	55.1	〃	43.7	39.4
J. 1510	452	27.5	31.1	84.45	〃	73142	7575	7480	6841	73.4	63.9	6999	57.6	48.1
1513	453	27.6	28.7	60.71	VI 26	73094	7497	7429	6844	65.3	58.5	7000	49.7	42.9
1515	454	27.0	26.5	96.21	〃	72112	7508	7400	6834	67.4	56.6	6992	51.6	40.8
1518	455	26.8	23.3	120.06	〃	71772	7548	7413	6831	71.7	58.2	6989	55.9	42.4
1521	456	25.7	20.0	152.79	〃	71120	7584	7413	6816	76.8	59.7	6973	61.1	44.0
1524	457	25.2	17.1	178.86	〃	70633	7615	7415	6809	80.6	60.6	6966	64.9	44.9
1527	458	24.7	14.4	209.75	〃	70015	7649	7414	6802	84.7	61.2	6959	69.0	45.5
〃	〃	〃	〃	〃	〃	70004	7648	7413	〃	84.6	61.1	〃	68.9	45.4
1530	459	24.4	11.5	263.54	〃	68559	7669	7374	6798	87.1	57.6	6955	71.4	41.9
1533	460	25.3	08.9	328.88	〃	67358	7751	7383	6810	94.1	57.3	6968	78.3	41.5

* Weather Station-Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Synoptic Results for Mie Prefecture (III).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	Helmert Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		34° ,	136°,											
4737	461	26.1	30.5	75.26	VI 27	72909	7523	7439	6822	70.1	61.7	6979	54.4	46.0
4739	462	25.1	28.9	68.01	〃	72235	7433	7357	6807	62.6	55.0	6965	46.8	39.2
4741	463	24.3	27.0	93.25	〃	71450	7433	7329	6796	63.7	53.3	6954	47.9	37.5
4743	464	23.6	24.8	87.66	〃	71599	7430	7332	6786	64.4	54.6	6944	48.6	38.8
4745	465	21.9	25.5	100.97	〃	71228	7434	7321	6763	67.1	55.8	6920	51.4	40.1
4747	466	20.4	24.6	115.44	〃	70737	7430	7301	6742	68.8	55.9	6899	53.1	40.2
4750	467	17.9	24.4	138.12	〃	70254	7452	7297	6706	74.6	59.1	6864	58.8	43.3
4753	468	16.6	22.1	168.99	〃	69796	7501	7312	6688	81.3	62.4	6846	65.5	46.6
4755	469	15.0	21.8	202.51	〃	69109	7536	7309	6666	87.0	64.3	6824	71.2	48.5
4756	470	14.0	21.6	241.05	〃	68258	7570	7300	6652	91.8	64.8	6810	76.0	49.0
4759	471	12.7	20.8	2.25	〃	73151	7322	7320	6634	68.8	68.6	6791	53.1	52.9
4761	472	11.6	19.4	2.02	〃	73315	7338	7335	6618	72.0	71.7	6776	56.2	55.9
4762	473	11.0	18.7	49.30	VI 28	72471	7399	7344	6610	78.9	73.4	6768	63.1	57.6
4764	474	10.1	17.7	30.25	〃	72844	7378	7344	6597	78.1	74.7	6755	62.3	58.9
4766	475	09.5	16.8	22.08	〃	73136	7382	7357	6589	79.3	76.8	6747	63.5	61.0
4769	476	08.3	14.8	10.59	〃	73401	7373	7361	6572	80.1	78.9	6730	64.3	63.1
4771	477	07.6	13.0	5.39	〃	73025	7319	7313	6562	75.7	75.1	6720	59.9	59.3
4772	478	06.7	13.5	4.22	〃	73137	7327	7322	6550	77.7	77.2	6708	61.9	61.4
4774	479	05.1	12.7	68.47	〃	71618	7373	7297	6527	84.6	77.0	6685	68.8	61.2
4776	480	04.6	11.9	24.89	〃	72793	7356	7328	6520	83.6	80.8	6678	67.8	65.0
4777	481	04.4	12.2	2.51	〃	73272	7335	7332	6518	81.7	81.4	6676	65.9	65.6
Owase W. S.*	482	04.0	11.7	15.70	〃	72967	7345	7328	6512	83.3	81.6	6670	67.5	65.8
4779	483	02.7	11.9	36.62	〃	72259	7339	7298	6494	84.5	80.4	6652	68.7	64.6
4780	484	02.0	11.3	80.92	〃	71150	7365	7274	6484	88.1	79.0	6642	72.3	63.2
4784	485	00.4	09.9	675.96	〃	58641	7950	7194	6462	148.8	73.2	6620	133.0	57.4

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Table X. (Continued)

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		34°	136°											
4785	486	00.8	09.3	807.26	VI 28	55932	8084	7181	6467	161.7	71.4	6625	145.9	55.6
4787	487	00.5	07.8	600.55	〃	60554	7909	7237	6463	144.6	77.4	6621	128.8	61.6
		33°												
4789	488	59.5	07.5	404.88	〃	64498	7699	7246	6449	125.0	79.7	6607	109.2	63.9
4791	489	58.0	06.5	339.66	〃	65852	7633	7253	6428	120.5	82.5	6586	104.7	66.7
4794	490	55.7	05.9	331.31	〃	66032	7626	7255	6396	123.0	85.9	6554	107.2	70.1
4798	491	53.4	06.5	6.79	〃	72225	7244	7236	6364	88.0	87.2	6522	72.2	71.4
〃	〃	〃	〃	〃	VI 29	72222	7243	7236	〃	87.9	87.2	〃	72.1	71.4
4800	492	52.0	05.2	11.49	〃	72534	7289	7276	6345	94.4	93.1	6503	78.6	77.3
4802	493	50.1	03.9	10.70	〃	72638	7297	7285	6318	97.9	96.7	6477	82.0	80.8
4804	494	48.1	02.8	17.44	〃	72223	7276	7257	6290	98.6	96.7	6449	82.7	80.8
4806	495	46.2	02.0	10.75	〃	72364	7270	7258	6264	100.6	99.4	6422	84.8	83.6
4808	496	44.1	01.4	5.70	〃	72374	7255	7249	6235	102.0	101.4	6393	86.2	85.6

(24) Shiga Prefecture.

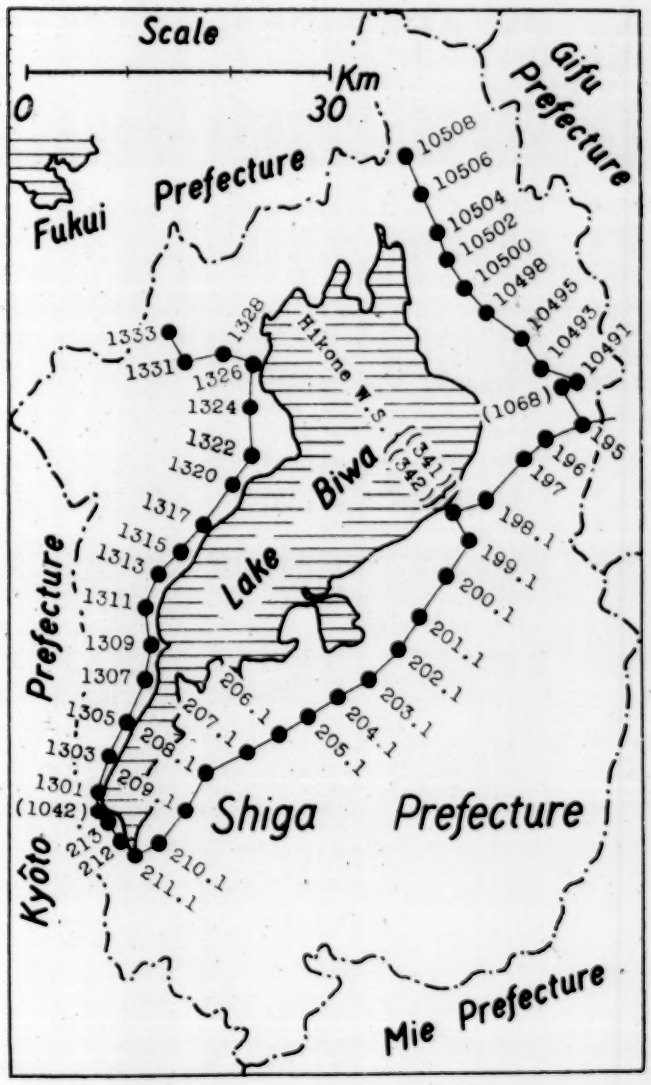

Fig. 3. Gravity Stations in Shiga Prefecture.

Table XI. Synoptic Results for Shiga Prefecture (I).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ′	135°′											
1333	1058	25.8	56.3	185.70	XII 4	71921	7765	7557	7666	9.9	−10.9	7821	− 5.6	−26.4
1331	1057	24.4	57.1	193.01	〃	71305	7727	7510	7646	8.1	−13.6	7801	− 7.4	−29.1
			136°											
1328	1056	24.2	00.3	124.08	〃	72130	7596	7457	7643	− 4.7	−18.6	7798	−20.2	−34.1
1326	1055	23.8	02.3	87.33	〃	71823	7452	7354	7637	−18.5	−28.3	7792	−34.0	−43.8
1324	1054	21.5	02.1	93 01	〃	71517	7439	7335	7604	−16.5	−26.9	7760	−32.1	−42.5
1322	1053	19.6	01.7	91.27	〃	71030	7385	7283	7577	−19.2	−29.4	7733	−34.8	−45.0
1320	1052	17.7	01.0	87.06	〃	70357	7304	7207	7550	−24.6	−34.3	7706	−40.2	−49.9
			135°											
1317	1051	15.5	59.2	87.35	〃	70972	7367	7269	7519	−15.2	−25.0	7675	−30.8	−40.6
1315	1050	14.2	57.6	97.26	〃	70410	7341	7232	7501	−16.0	−26.9	7656	−31.5	−42.4
1313	1049	12.8	55.9	123.44	〃	69679	7349	7211	7481	−13.2	−27.0	7637	−28.8	−42.6
1311	1048	11.0	55.0	98.03	〃	69905	7293	7183	7455	−16.2	−27.2	7611	−31.8	−42.8
1309	1047	9.1	55.4	95.62	〃	70029	7298	7191	7428	−13.0	−23.7	7584	−28.6	−39.3
1307	1046	7.3	55.2	87.92	〃	70044	7276	7177	7403	−12.7	−22.6	7559	−28.3	−38.2
1305	1045	5.3	53.9	87.33	〃	69775	7247	7149	7374	−12.7	−22.5	7531	−28.4	−38.2
1303	1044	3.6	52.8	86.99	〃	69590	7228	7130	7350	−12.2	−22.0	7507	−27.9	−37.7
1301	1043	1.5	52.2	87.73	〃	69484	7219	7121	7321	−10.2	−20.0	7477	−25.8	−35.6
J. 213	326	0.1	52.4	90.63	〃	70325	7312	7211	7301	1.1	− 9.0	7457	−14.5	−24.6
〃	〃	〃	〃	〃	VI 16	70333	7313	7212	〃	1.2	− 8.9	〃	−14.4	−24.5
〃	〃	〃	〃	〃	VI 17	70318	7312	7210	〃	1.1	− 9.1	〃	−14.5	−24.7
		34°												
212	327	59.0	53.9	87.27	〃	70274	7297	7199	7285	1.2	− 8.6	7442	−14.5	−24.3
211.1	328	58.1	54.5	88.48	〃	70345	7308	7209	7274	3.4	− 6.5	7429	−12.1	−22.0
210.1	329	59.1	56.5	109.55	〃	69961	7334	7212	7288	4.6	− 7.6	7443	−10.9	−23.1
		35°												
209.1	330	00.8	57.7	97.09	〃	69941	7294	7185	7311	− 1.7	−12.6	7467	−17.3	−28.2
208.1	331	02.7	59.4	97.15	〃	70131	7313	7204	7338	− 2.5	−13.4	7494	−18.1	−29.0
			136°											
207.1	332	03.6	01.5	99.29	〃	70097	7316	7205	7350	− 3.4	−14.5	7507	−19.1	−30.2

	206.1	333	04.6	03.6	102.78	〃	70353	7353	7238	7365	− 1.2	−12.7	7521	−16.8	−28.3
	205.1	334	05.5	05.8	99.62	〃	70202	7328	7216	7377	− 4.9	−16.1	7533	−20.5	−31.7
	204.1	335	06.7	08.0	100.41	〃	70382	7348	7236	7394	− 4.6	−15.8	7550	−20.2	−31.4
	203.1	336	07.8	09.7	104.50	〃	70208	7343	7226	7410	− 6.7	−18.4	7566	−22.3	−34.0
	202.1	337	09.2	12.0	108.23	〃	69556	7290	7169	7430	−14.0	−26.1	7586	−29.6	−41.7
	201.1	338	11.0	13.0	99.82	〃	69958	7304	7192	7455	−15.1	−26.3	7611	−30.7	−41.9
	200.1	339	12.9	14.6	105.18	〃	70644	7389	7271	7482	− 9.3	−21.1	7638	−24.9	−36.7
	199.1	340	14.7	16.2	104.97	〃	71296	7454	7336	7508	− 5.4	−17.2	7664	−21.0	−32.8
Hikone	W. S.*	341	16.4	14.8	87.30	〃	71186	7388	7290	7532	−14.4	−24.2	7688	−30.0	−39.8
	〃 **	342	〃	〃		〃	71187			〃			〃		
	198.1	343	16.5	17.1	102.74	〃	71810	7498	7383	7533	− 3.5	−15.0	7689	−19.1	−30.6
	197	344	18.8	19.2	114.81	〃	72145	7569	7440	7566	0.3	−12.6	7722	−15.3	−28.2
	196	345	19.7	21.4	121.52	〃	72149	7590	7454	7579	1.1	−12.5	7734	−14.4	−28.0
	195	346	20.1	23.7	174.13	〃	71300	7667	7473	7584	8.3	−11.1	7740	− 7.3	−26.7
Ibukiyama	W.S.***	1068	22.7	22.7	165.30	XII 5	71685	7679	7494	7621	5.8	−12.7	7777	− 9.8	−28.3
	10491	1067	21.9	23.6	158.52	〃	71806	7670	7492	7610	6.0	−11.8	7766	− 9.6	−27.4
	10493	1066	23.2	21.7	162.75	〃	71699	7672	7490	7629	4.3	−13.9	7784	−11.2	−29.4
	10495	1065	24.7	20.1	131.23	〃	72509	7656	7509	7650	0.6	−14.1	7805	−14.9	−29.6
	10498	1064	26.2	17.3	100.49	〃	73310	7641	7529	7671	− 3.0	−14.2	7827	−18.6	−29.8
	10500	1063	27.2	15.8	101.24	〃	73286	7641	7528	7685	− 4.4	−15.7	7841	−20.0	−31.3
	10502	1062	29.0	14.7	116.41	〃	73017	7661	7531	7711	− 5.0	−18.0	7866	−20.5	−33.5
	10504	1059	30.5	13.4	121.69	XII 4	72820	7658	7521	7732	− 7.4	−21.1	7888	−23.0	−36.7
	10506	1060	32.5	12.5	147.51	〃	73120	7767	7602	7761	0.6	−15.9	7916	−14.9	−31.4
	10508	1061	34.5	11.7	197.86	〃	72807	7891	7670	7789	10.2	−11.9	7944	− 5.3	−27.4

* Weather Station Bench Mark.

** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

*** Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

(25) Kyôto Prefecture.

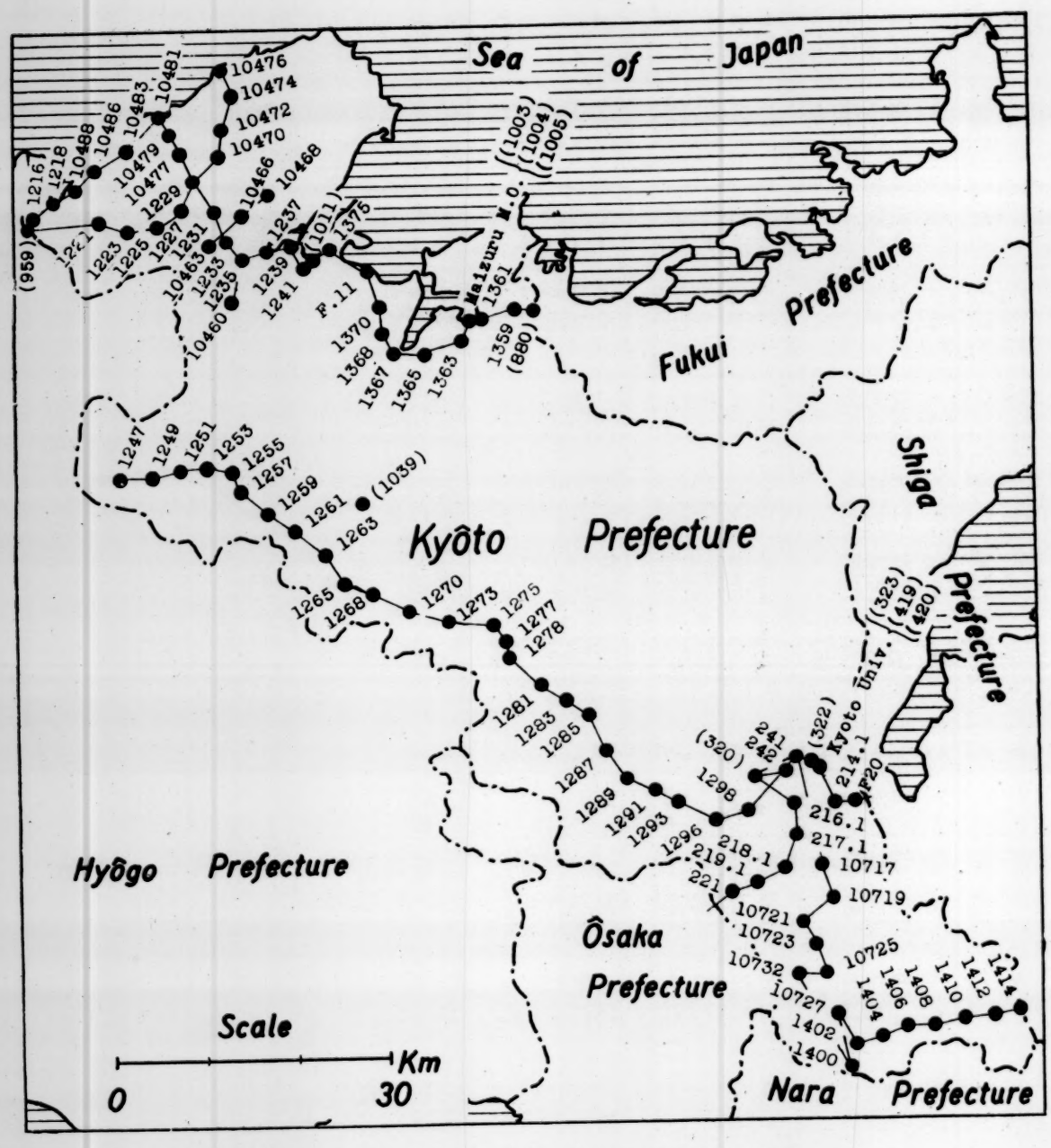

Fig. 4. Gravity Stations in Kyôto Prefecture.

Table XII. Synoptic Results for Kyôto Prefecture (I).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ′	134° ′											
1216	1027	35.3	52.5	46.45	XII 1	81112	8255	8203	7801	45.4	40.2	7956	29.9	24.7
1218	1026	36.1	54.2	1.47	〃	82494	8254	8252	7812	44.2	44.0	7967	28.7	28.5
10488	1025	36.8	55.5	3.04	〃	82617	8271	8268	7822	44.9	44.6	7977	29.4	29.1
10486	1024	38.2	56.8	4.93	〃	82709	8286	8281	7842	44.4	43.9	7997	28.9	28.4
10483	1023	39.3	59.7	23.96	〃	82474	8321	8295	7858	46.3	43.7	8013	30.8	28.2
			135°											
10481	1022	41.2	01.1	4.34	〃	83188	8332	8327	7885	44.7	44.2	8040	29.2	28.7
10479	1021	39.8	01.8	7.50	〃	83213	8344	8336	7865	47.9	47.1	8020	32.4	31.6
10477	1020	38.1	03.4	38.25	〃	82109	8329	8286	7841	48.8	44.5	7996	33.3	29.0

Synoptic Results for Kyôto Prefecture (II).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ′	134° ′											
1221	1028	35.0	57.1	21.40	XII 1	81705	8237	8213	7797	44.0	41.6	7952	28.5	26.1
1223	1029	34.3	59.3	54.75	〃	80705	8240	8178	7787	45.3	39.1	7942	29.8	23.6
			135°											
1225	1030	34.5	00.9	103.09	〃	79656	8284	8168	7789	49.5	37.9	7944	34.0	22.4
1227	1031	35.5	02.8	42.16	〃	81176	8248	8201	7804	44.4	39.7	7959	28.9	24.2
1229	1019	37.3	03.7	32.04	〃	81905	8289	8254	7829	46.0	42.5	7984	30.5	27.0
10470	1032	38.3	05.6	28.41	〃	82188	8307	8275	7844	46.3	43.1	7998	30.9	27.7
10472	1033	40.4	06.1	21.23	〃	83102	8376	8352	7874	50.2	47.8	8028	34.8	32.4
10474	1034	42.4	06.6	10.02	〃	83595	8390	8379	7902	48.8	47.7	8057	33.3	32.2
10476	1035	44.1	05.6	18.31	〃	83429	8399	8379	7926	47.3	45.3	8081	31.8	29.8

Synoptic Results for Kyôto Prefecture (III).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	Helmert Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		35° ,	135°,											
1231	1018	35.6	05.2	31.52	XII 1	81357	8233	8198	7805	42.8	39.3	7960	27.3	23.8
10463	1036	32.9	04.8	80.37	XII 2	79781	8226	8136	7767	45.9	36.9	7922	30.4	21.4
10466	1037	35.0	07.5	144.91	〃	79006	8348	8186	7797	55.1	38.9	7952	39.6	23.4
10468	1038	36.6	09.1	190.74	〃	78401	8429	8215	7819	61.0	39.6	7974	45.5	24.1
1233	1017	33.6	06.0	50.77	XII 1	80583	8215	8158	7777	43.8	38.1	7932	28.3	22.6
1235	1016	32.2	06.9	16.85	XI 30	80954	8147	8129	7757	39.0	37.2	7912	23.5	21.7
10460	1015	30.3	05.8	12.84	〃	80360	8076	8061	7730	34.6	33.1	7885	19.1	17.6
1237	1014	33.0	09.1	1.43	〃	81616	8166	8164	7768	39.8	39.6	7923	24.3	24.1
1239	1013	33.3	11.0	1.71	〃	81666	8172	8170	7772	40.0	39.8	7927	24.5	24.3
1241	1012	31.7	11.7	2.96	〃	81046	8114	8110	7749	36.5	36.1	7905	20.9	20.5
1375	1010	32.7	13.4	58.88	〃	80175	8199	8133	7764	43.5	36.9	7919	28.0	21.4
F. 11	1009	31.8	16.3	12.81	〃	80270	8067	8052	7751	31.6	30.1	7906	16.1	14.6
1370	1008	29.4	17.2	4.84	〃	81246	8140	8134	7717	42.3	41.7	7872	26.8	26.2
1368	1007	27.7	16.7	11.47	〃	81403	8176	8163	7693	48.3	47.0	7848	32.8	31.5
1367	1006	26.7	17.6	11.17	〃	80768	8111	8099	7678	43.3	42.1	7834	27.7	26.5
1365	999	26.5	20.1	5.59	〃	80779	8095	8089	7675	42.0	41.4	7831	26.4	25.8
1363	1000	27.3	22.2	70.39	〃	79187	8136	8057	7687	44.9	37.0	7842	29.4	21.5
Maizuru M. O.*	1003	28.3	23.1	29.80	〃	80061	8098	8065	7701	39.7	36.4	7856	24.2	20.9
〃 **	1004	〃	〃	30.72	〃	80009	8096	8061	〃	39.5	36.0	〃	24.0	20.5
〃 ***	1005	〃	〃		〃	80594			〃			〃		
1361	1001	28.5	24.4	1.54	〃	80525	8057	8056	7704	35.3	35.2	7859	19.8	19.7
1359	1002	28.9	27.1	39.47	〃	79893	8111	8067	7710	40.1	35.7	7865	24.6	20.2

* Marine Observatory, on Concrete Road.

** Marine Observatory Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

*** Marine Observatory, Entrance to the Main Building.

Synoptic Results for Kyôto Prefecture (IV).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	Helmert Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		35° ′	134°′											
1247	998	19.4	57.4	99.40	XI 29	77826	8089	7978	7575	51.4	40.3	7730	35.9	24.8
1249	997	19.1	59.9	70.40	〃	78024	8020	7941	7570	45.0	37.1	7726	29.4	21.5
			135°											
1251	996	19.2	02.0	49.94	〃	78417	7996	7940	7572	42.4	36.8	7727	26.9	21.3
1253	995	19.6	04.2	26.78	〃	78209	7904	7874	7577	32.7	29.7	7733	17.1	14.1
1255	994	19.5	06.2	34.23	〃	78655	7971	7933	7576	39.5	35.7	7731	24.0	20.2
1257	993	18.2	07.3	14.99	〃	78064	7853	7836	7557	29.6	27.9	7713	14.0	12.3
1259	992	17.0	09.0	22.23	〃	77288	7797	7773	7540	25.7	23.3	7696	10.1	7.7
1261	991	15.9	11.0	37.94	〃	76737	7791	7748	7525	26.6	22.3	7680	11.1	6.8
1263	990	14.5	13.0	65.47	〃	75984	7800	7727	7505	29.5	22.2	7661	13.9	6.6
1265	989	13.1	13.9	87.28	〃	75370	7806	7709	7485	32.1	22.4	7641	16.5	6.8
1268	988	12.3	16.0	132.03	〃	74256	7833	7685	7474	35.9	21.1	7630	20.3	5.5
1270	987	11.3	17.5	147.11	〃	73772	7831	7667	7460	37.1	20.7	7615	21.6	5.2
1273	986	10.7	20.7	189.05	〃	72769	7860	7649	7451	40.9	19.8	7607	25.3	4.2
1275	985	10.1	23.0	191.12	〃	72555	7845	7631	7442	40.3	18.9	7598	24.7	3.3
1277	1040	08.9	25.7	176.93	XII 2	72704	7816	7618	7425	39.1	19.3	7581	23.5	3.7
1278	984	07.9	25.9	198.92	XI 29	72475	7861	7639	7411	45.0	22.8	7567	29.4	7.2
1281	983	06.5	28.1	130.99	〃	73470	7751	7605	7391	36.0	21.4	7547	20.4	5.8
1283	982	05.5	30.0	117.75	〃	73258	7689	7557	7377	31.2	18.0	7533	15.6	2.4
1285	981	04.5	31.9	110.27	〃	72809	7621	7498	7363	25.8	13.5	7519	10.2	− 2.1
1287	980	02.6	32.9	100.59	〃	72342	7545	7432	7336	20.9	9.6	7492	5.3	− 6.0
1289	979	01.2	34.0	90.72	〃	72351	7515	7414	7316	19.9	9.8	7473	4.2	− 5.9
1291	978	04.0	35.8	92.48	〃	72326	7518	7415	7305	21.3	11.0	7461	5.7	− 4.6
		34°												
1293	977	59.2	38.0	194.86	〃	70455	7647	7429	7288	35.9	14.1	7444	20.3	− 1.5
1296	976	58.2	40.4	78.89	〃	72516	7495	7407	7274	22.1	13.3	7430	6.5	− 2.3
1298	975	58.7	42.7	21.93	〃	73105	7378	7354	7281	9.7	7.3	7437	− 5.9	− 8.3

Table XII. (Continued)

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ,	135°,											
Kyôto W. S.*	320	01.0	44.1	42.59	XII 2	72869	7418	7371	7314	10.4	5.7	7470	− 5.2	− 9.9
〃	〃	〃	〃	〃	VI 16	72861	7418	7370	〃	10.4	5.6	〃	− 5.2	−10.0
242	1041	01.0	45.5	47.08	XII 2	72729	7418	7366	7314	10.4	5.2	7470	− 5.2	−10.4
241	321	01.6	46.4	53.68	VI 16	72564	7422	7362	7322	10.0	4.0	7478	− 5.6	−11.6
〃	〃	〃	〃	〃	VI 22	72548	7421	7360	〃	9.9	3.8	〃	− 5.7	−11.8
〃	〃	〃	〃	〃	XI 29	72556	7421	7361	〃	9.9	3.9	〃	− 5.7	−11.7
Kyôto Univ.**	322	01.5	47.2	61.59	VI 16	72084	7399	7330	7321	7.8	0.9	7477	− 7.8	−14.7
〃 ***	323	01.4	47.0	55.42	〃	72331	7404	7342	7319	8.5	2.3	7475	− 7.1	−13.3
〃 ****	419	01.4	46.9	56.82	VI 22	72239	7399	7337	7319	8.0	1.8	7475	− 7.6	−13.8
〃 *****	420	01.4	46.9		〃	72299						7475		
		34°												
214.1	324	59.3	49.4	62.78	VI 16	71801	7374	7304	7289	8.5	1.5	7446	− 7.2	−14.2
F 20	325	59.5	51.4	161.82	〃	69642	7464	7283	7292	17.2	− 0.9	7449	1.5	−16.6
J. 216.1	319	59.0	46.4	31.35	〃	72584	7355	7320	7285	7.0	3.5	7442	− 8.7	−12.2
217.1	318	56.9	46.5	29.88	〃	72480	7340	7307	7256	8.4	5.1	7412	− 7.2	−10.5
218.1	317	55.2	45.5	15.52	〃	72620	7310	7293	7232	7.8	6.1	7388	− 7.8	− 9.5
219.1	316	54.3	43.5	10.64	〃	72961	7329	7317	7219	11.0	9.8	7375	− 4.6	−5.8
221	315	54.0	41.5	14.69	〃	73198	7365	7349	7215	15.0	13.4	7371	− 0.6	−2.2

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.
** Second Laboratory of Theoretical Geology Kyôto University, International Fundamental Station.
*** Cellar, formerly Department of Astronomy, Kyôto University.
**** 16th Laboratory, Department of Fuel Chemistry, Kyôto University.
***** Sassa Laboratory, Department of Geophysics, Kyôto University.

Synoptic Results for Kyôto Prefecture (V).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	Helmert Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		34° ,	135°,											
10717	418	55.7	48.0	14.89	VI 22	72526	7299	7282	7239	6.0	4.3	7395	− 9.6	−11.3
10719	417	53.4	48.6	18.93	〃	73154	7374	7353	7206	16.8	14.7	7363	1.1	− 1.0
10721	416	52.1	46.9	31.20	〃	72595	7356	7321	7188	16.8	13.3	7344	1.2	− 2.3
10723	415	50.0	48.0	31.09	〃	72891	7385	7350	7158	22.7	19.2	7315	7.0	3.5
10725	414	48.1	48.6	24.06	〃	73403	7415	7388	7131	28.4	25.7	7288	12.7	10.0
10732	413	49.0	46.2	29.39	〃	73283	7419	7386	7144	27.5	24.2	7301	11.8	8.5
1400	411	42.8	49.8	71.56	VI 21	72449	7466	7386	7056	41.0	33.0	7213	25.3	17.3
10727	410	46.5	49.1	32.54	〃	73127	7413	7377	7109	30.4	26.8	7265	14.8	11.2
1402	409	44.4	49.9	32.48	〃	73564	7457	7420	7079	37.8	34.1	7236	22.1	18.4
1404	408	44.5	52.0	41.25	〃	73538	7481	7435	7080	40.1	35.5	7237	24.4	19.8
1406	407	45.6	53.4	43.57	〃	73467	7481	7432	7096	38.5	33.6	7253	22.8	17.9
1408	406	45.6	55.8	48.86	〃	73385	7489	7435	7096	39.3	33.9	7253	23.6	18.2
1410	405	45.8	58.2	58.49	〃	73195	7500	7435	7099	40.1	33.6	7256	24.4	17.9
			136°											
1412	404	46.3	00.5	91.32	〃	73458	7628	7525	7106	52.2	41.9	7263	36.5	26.2
1414	403	45.5	01.9	113.78	〃	72806	7632	7504	7095	53.7	40.9	7251	38.1	25.3

(26) Ôsaka Prefecture.

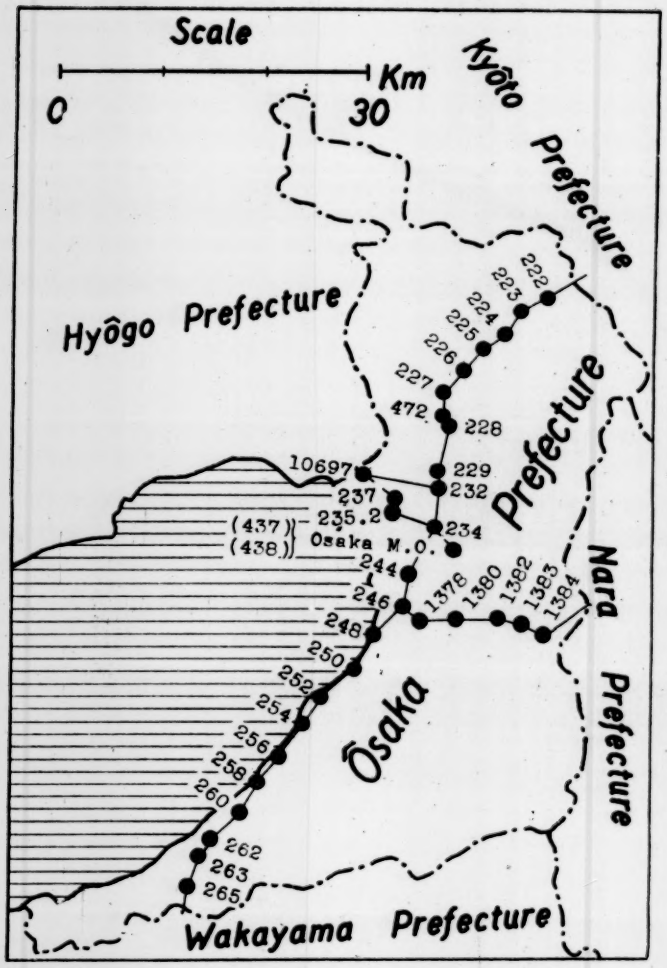

Fig. 5. Gravity Stations in Ôsaka Prefecture.

Table XIII. Synoptic Results for Ôsaka Prefecture (I).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	Helmert Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		34° ,	135°,											
222	314	52.4	39.8	10.85	VI 16	73718	7405	7393	7192	21.3	20.1	7348	5.7	4.5
223	313	51.3	38.2	12.48	〃	73387	7377	7363	7176	20.1	18.7	7333	4.4	3.0
224	312	50.1	36.7	10.76	〃	72644	7298	7286	7159	13.9	12.7	7316	− 1.8	− 3.0
225	311	49.1	34.9	10.24	〃	72663	7298	7286	7145	15.3	14.1	7302	− 0.4	− 1.6
226	310	47.9	33.3	13.32	〃	72634	7305	7290	7128	17.7	16.2	7285	2.0	0.5
227	309	46.3	32.1	13.44	〃	72766	7318	7303	7106	21.2	19.7	7263	5.5	4.0
J. 472	308	45.3	31.8	5.94	〃	72896	7308	7301	7092	21.6	20.9	7249	5.9	5.2
〃	〃	〃	〃	〃	VI 23	72907	7309	7302	〃	21.7	21.0	〃	6.0	5.3
〃	〃	〃	〃	〃	VI 24	72893	7308	7301	〃	21.6	20.9	〃	5.9	5.2
228	307	44.5	31.7	2.37	VI 16	72882	7296	7293	7080	21.6	21.3	7237	5.9	5.6
J. 229	306	42.1	31.4	3.10	〃	72563	7266	7262	7047	21.9	21.5	7203	6.3	5.9
232	305	41.4	31.9	3.37	〃	72514	7262	7258	7037	22.5	22.1	7194	6.8	6.4
10697	436	42.5	26.3	0.63	VI 23	71043	7106	7106	7052	5.4	5.4	7209	−10.3	−10.3
237	435	41.4	29.5	2.26	〃	71270	7134	7132	7037	9.7	9.5	7194	− 6.0	− 6.2
〃	〃	〃	〃	〃	VI 24	71253	7132	7130	〃	9.5	9.3	〃	− 6.2	− 6.4
235.2	434	40.0	29.0	1.10	VI 23	71362	7140	7138	7017	12.3	12.1	7174	− 3.4	− 3.6
234	304	39.7	31.1	21.70	VI 16	71760	7243	7219	7013	23.0	20.6	7170	7.3	4.9
〃	〃	〃	〃	〃	VII 15	71754	7242	7218	〃	22.9	20.5	〃	7.2	4.8
Osaka M. O.*	437	39.0	32.3	5.08	VI 24	71852	7201	7195	7003	19.8	19.2	7160	4.1	3.5
〃 **	438	〃	〃	6.49	〃	71836	7204	7196	〃	20.1	19.3	〃	4.4	3.6
244	433	37.1	30.0	3.15	VI 23	71858	7196	7192	6976	22.0	21.6	7133	6.3	5.9
J. 246	432	35.0	29.1	3.29	〃	72128	7223	7219	6947	27.6	27.2	7104	11.9	11.5
〃	〃	〃	〃	〃	VII 15	72123	7223	7219	〃	27.6	27.2	〃	11.9	11.5
248	617	33.3	27.5	2.21	〃	71933	7200	7198	6924	27.6	27.4	7080	12.0	11.8
250	618	31.5	26.2	2.72	〃	71789	7187	7184	6897	29.0	28.7	7055	13.2	12.9

* Meteorological Observatory Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.
** Meteorological Observatory Bench Mark.

Table XIII. (Continued)

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		34° ,	135°,											
252	619	30.0	24.3	2.49	VII 15	72092	7217	7214	6876	34.1	33.8	7034	18.3	18.0
〃	〃	〃	〃	〃	〃	72065	7214	7211	〃	33.8	33.5	〃	18.0	17.7
254	620	28.2	23.0	4.28	〃	71473	7161	7156	6851	31.0	30.5	7008	15.3	14.8
256	621	26.6	21.5	2.92	〃	71289	7138	7135	6829	30.9	30.6	6986	15.2	14.9
〃	〃	〃	〃	〃	〃	71270	7136	7133	〃	30.7	30.4	〃	15.0	14.7
258	622	24.9	20.2	10.93	〃	70861	7120	7108	6805	31.5	30.3	6962	15.8	14.6
260	623	23.2	18.8	17.92	〃	70382	7094	7073	6781	31.3	29.2	6938	15.6	13.5
〃	〃	〃	〃	〃	〃	70371	7092	7072	〃	31.1	29.1	〃	15.4	13.4
262	624	21.9	17.1	25.44	〃	70213	7100	7071	6763	33.7	30.8	6920	18.0	15.1
〃	〃	〃	〃	〃	〃	70202	7099	7070	〃	33.6	30.7	〃	17.9	15.0
263	625	20.9	16.6	30.41	〃	70208	7115	7081	6749	36.6	33.2	6906	20.9	17.5
〃	〃	〃	〃	〃	〃	70197	7114	7080	〃	36.5	33.1	〃	20.8	17.4
265	626	19.4	16.3	74.28	〃	68860	7115	7032	6728	38.7	30.4	6885	23.0	14.7

Synoptic Results for Ôsaka Prefecture (II).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		34° ,	135°,											
1378	431	34.4	30.7	13.70	VI 23	72304	7273	7257	6938	33.5	31.9	7095	17.8	16.2
1380	430	34.4	32.9	19.99	〃	71808	7243	7220	6938	30.5	28.2	7095	14.8	12.5
1382	428	34.4	35.8	21.55	〃	71713	7238	7214	6938	30.0	27.6	7095	14.3	11.9
1383	429	34.3	37.0	18.95	〃	72175	7276	7255	6937	33.9	31.8	7094	18.2	16.1
1384	427	34.1	37.6	21.90	〃	73931	7461	7436	6934	52.7	50.2	7091	37.0	34.5

(27) Hyôgo Prefecture.

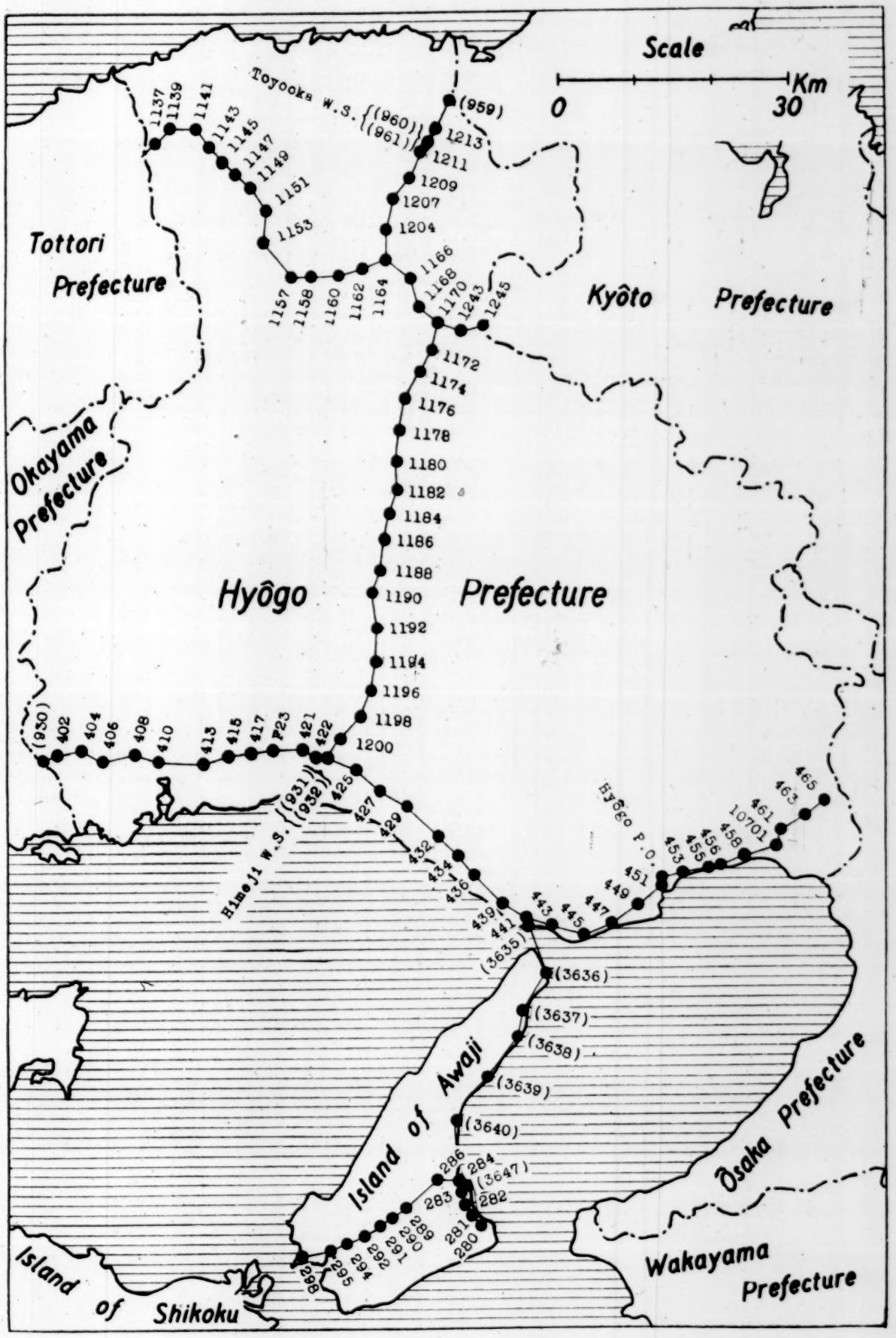

Fig. 6. Gravity Stations in Hyôgo Prefecture.

Table XIV. Synoptic Results for Hyôgo Prefecture (I).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		35° ′	134°′											
1137	973	31.8	26.6	157.12	XI 27	77153	8200	8024	7751	44.9	27.3	7906	29.4	11.8
1139	974	33.2	28.1	71.11	〃	79323	8152	8072	7771	38.1	30.1	7926	22.6	14.6
1141	972	32.7	30.4	97.04	〃	77934	8093	7984	7764	32.9	22.0	7919	17.4	6.5
1143	971	31.1	31.5	221.03	〃	74527	8135	7888	7741	39.4	14.7	7896	23.9	− 0.8
1145	970	30.6	32.8	401.49	〃	71425	8382	7932	7734	64.8	19.8	7889	49.3	4.3
1147	969	29.4	34.1	148.30	〃	76163	8074	7908	7717	35.7	19.1	7872	20.2	3.6
1149	968	28.7	35.3	190.28	〃	75506	8138	7936	7707	43.1	22.9	7862	27.6	7.4
1151	967	27.1	36.0	243.07	〃	74549	8205	7933	7684	52.1	24.9	7839	36.6	9.4
1153	966	25.2	35.9	323.64	〃	72560	8255	7893	7657	59.8	23.6	7812	44.3	8.1
1157	965	22.5	38.4	208.24	〃	74470	8090	7857	7619	47.1	23.8	7774	31.6	8.3
1158	964	22.7	39.8	174.18	〃	75043	8042	7847	7621	42.1	22.6	7777	26.5	7.0
1160	963	22.9	42.6	119.60	〃	75952	7964	7831	7624	34.0	20.7	7780	18.4	5.1
1162	962	23.3	44.5	77.06	〃	77118	7950	7863	7630	32.0	23.3	7785	16.5	7.8
J. 1164	953	24.0	46.7	38.45	XI 26	78223	7941	7898	7640	30.1	25.8	7795	14.6	10.3
1204	954	25.1	47.1	20.74	〃	78825	7947	7923	7656	29.1	26.7	7811	13.6	11.2
1207	955	28.3	47.3	15.92	〃	79480	7997	7979	7701	29.6	27.8	7856	14.1	12.3
1209	956	30.2	48.5	8.21	〃	80131	8038	8029	7728	31.0	30.1	7883	15.5	14.6
1211	957	31.9	49.5	5.69	〃	80623	8080	8074	7752	32.8	32.2	7907	17.3	16.7
1213	958	33.1	50.7	9.09	〃	81109	8139	8129	7769	37.0	36.0	7925	21.4	20.4
Toyooka W. S.*	960	32.2	49.4	32.70	〃	80296	8131	8094	7757	37.4	33.7	7912	21.9	18.2
〃 **	961	〃	〃	31.70	〃	80285	8126	8091	〃	36.9	33.4	〃	21.4	17.9

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

** Weather Station Bench Mark.

Synoptic Results for Hyôgo Prefecture (II).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	Helmert Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		35° ′	134°′											
1166	952	23.1	48.7	42.03	XI 26	77816	7911	7864	7627	28.4	23.7	7783	12.8	8.1
1168	951	21.4	49.5	55.92	〃	76932	7866	7803	7603	26.3	20.0	7758	10.8	4.5
J. 1170	948	20.1	51.6	71.86	〃	76300	7852	7771	7584	26.8	18.7	7740	11.2	3.1
1243	949	18.8	53.5	98.61	〃	75646	7869	7759	7566	30.3	19.3	7722	14.7	3.7
1245	950	19.8	55.4	174.97	〃	75216	8062	7866	7580	48.2	28.6	7736	32.6	13.0
1172	947	18.2	50.5	92.84	〃	74986	7785	7681	7557	22.8	12.4	7713	7.2	− 3.2
1174	946	16.4	48.9	128.18	〃	73408	7736	7593	7532	20.4	6.1	7688	4.8	− 9.5
1176	945	14.9	47.8	138.43	〃	73455	7773	7618	7511	26.2	10.7	7666	10.7	− 4.8
1178	944	12.6	48.0	174.17	〃	72665	7804	7609	7478	32.6	13.1	7634	17.0	− 2.5
1180	943	10.5	47.8	266.15	〃	70686	7890	7592	7448	44.2	14.4	7604	28.6	− 1.2
1182	942	08.5	47.9	350.72	〃	68851	7967	7575	7420	54.7	15.5	7576	39.1	− 0.1
1184	941	06.6	47.3	234.63	〃	70760	7800	7538	7393	40.7	14.5	7549	25.1	− 1.1
1186	940	04.6	46.8	171.22	〃	71824	7711	7519	7365	34.6	15.4	7521	19.0	− 0.2
1188	939	02.6	46.3	121.47	〃	72308	7606	7470	7336	27.0	13.4	7492	11.4	− 2.2
1190	938	00.7	45.8	99.73	〃	72491	7557	7445	7309	24.8	13.6	7466	9.1	− 2.1
		34°												
1192	937	58.8	46.0	80.62	〃	73431	7592	7502	7282	31.0	22.0	7439	15.3	6.3
1194	936	56.8	46.3	84.58	〃	73552	7616	7522	7254	36.2	26.8	7411	20.5	11.1
1196	935	54.7	45.9	58.52	〃	74038	7584	7519	7224	36.0	29.5	7381	20.3	13.8
1198	934	52.8	45.0	43.93	〃	73751	7511	7462	7198	31.3	26.4	7354	15.7	10.8
1200	933	51.3	43.4	25.01	〃	74186	7496	7468	7176	32.0	29.2	7333	16.3	13.5

Synoptic Results for Hyôgo Prefecture (III).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		34° ,	134°,											
402	929	49.7	19.0	82.18	XI 25	72066	7460	7368	7154	30.6	21.4	7310	15.0	5.8
404	928	50.0	20.9	37.15	〃	72828	7397	7356	7158	23.9	19.8	7315	8.2	4.1
406	927	49.4	23.0	17.89	〃	73115	7367	7347	7150	21.7	19.7	7306	6.1	4.1
408	926	49.8	25.4	27.42	〃	73089	7394	7363	7155	23.9	20.8	7312	8.2	5.1
410	925	49.4	27.7	24.57	〃	73310	7407	7379	7150	25.7	22.9	7306	10.1	7.3
413	924	49.1	31.1	11.32	〃	73907	7426	7413	7145	28.1	26.8	7302	12.4	11.1
415	923	49.8	33.6	13.29	〃	73894	7430	7416	7155	27.5	26.1	7312	11.8	10.4
417	922	49.8	36.2	8.85	〃	73825	7410	7400	7155	25.5	24.5	7312	9.8	8.8
F. 23	921	50.2	37.6	39.91	〃	73311	7454	7410	7161	29.3	24.9	7317	13.7	9.3
421	920	50.2	40.3	15.93	〃	74555	7505	7487	7161	34.4	32.6	7317	18.8	17.0
422	919	49.8	41.2	11.93	〃	74703	7507	7494	7155	35.2	33.9	7312	19.5	18.2
Himeji W. S.*	931	50.1	42.1	17.29	XI 26	74464	7500	7481	7159	34.1	32.2	7316	18.4	16.5
〃 **	932	〃	〃	16.80	〃	74478	7500	7481	〃	34.1	32.2	〃	18.4	16.5
425	918	48.9	44.4	10.31	XI 25	74348	7467	7455	7143	32.4	31.2	7299	16.8	15.6
427	917	47.5	46.5	6.62	〃	73897	7410	7403	7123	28.7	28.0	7279	13.1	12.4
429	916	47.1	48.6	3.54	〃	73211	7332	7328	7117	21.5	21.1	7274	5.8	5.4
432	915	45.0	51.6	13.32	XI 24	73014	7343	7328	7088	25.5	24.0	7244	9.9	8.4
434	914	43.5	53.3	19.26	〃	72511	7311	7289	7066	24.5	22.3	7223	8.8	6.6
436	913	42.0	55.0	42.36	〃	71979	7329	7281	7045	28.4	23.6	7202	12.7	7.9
439	912	39.8	57.8	21.80	〃	72338	7301	7277	7014	28.7	26.3	7171	13.0	10.6
441	911	38.6	59.5	2.43	〃	72972	7305	7302	6997	30.8	30.5	7154	15.1	14.8
〃	〃	〃	〃	〃	1953 IV 1	72965	7304	7301	〃	30.7	30.4	〃	15.0	14.7
			135°		1951									
443	910	38.0	02.0	4.60	XI 24	73016	7316	7311	6989	32.7	32.2	7146	17.0	16.5
〃	〃	〃	〃	〃	1953 IV 1	73003	7315	7309	〃	32.6	32.0	〃	16.9	16.3
445	909	37.5	04.1	5.09	1951 XI 24	72664	7282	7276	6982	30.0	29.4	7139	14.3	13.7

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

** Weather Station Bench Mark.

〃	〃	〃	〃	〃	1953 IV 1	72644	7280	7274	〃	29.8	29.2	〃	14.1	13.5
447	908	38.3	06.8	7.46	1951 XI 24	71880	7211	7203	6993	21.8	21.0	7150	6.1	5.3
〃	〃	〃	〃	〃	1953 IV 1	71872	7210	7202	〃	21.7	20.9	〃	6.0	5.2
449	907	39.5	08.8	9.38	1951 XI 24	71717	7201	7190	7010	19.1	18.0	7167	3.4	2.3
451	906	40.7	10.7	5.10	〃	71705	7186	7181	7027	15.9	15.4	7184	0.2	− 0.3
453	905	41.7	12.9	5.99	〃	71293	7148	7141	7041	10.7	10.0	7198	− 5.0	− 5.7
455	904	42.5	15.3	3.36	〃	70815	7092	7088	7052	4.0	3.6	7209	−11.7	−12.1
456	903	42.5	16.5	2.65	〃	70524	7061	7058	7052	0.9	0.6	7209	−14.8	−15.1
458	898	43.5	18.8	2.79	〃	70843	7093	7090	7066	2.7	2.4	7223	−13.0	−13.3
10701	899	43.6	21.4	3.81	〃	70661	7078	7074	7068	1.0	0.6	7225	−14.7	−15.1
461	900	45.1	21.5	7.31	〃	71158	7138	7130	7089	4.9	4.1	7246	−10.8	−11.6
463	901	46.3	23.2	15.35	〃	71039	7151	7134	7106	4.5	2.8	7263	−11.2	−12.9
465	902	47.4	25.3	12.83	〃	71403	7180	7166	7121	5.9	4.5	7278	− 9.8	−11.2

Synoptic Results for Hyôgo Prefecture (IV).

B.M.	No.	φ	λ	H (m)	Date 1953	g 979.	g_0 979.	g_0'' 979.	HELMERT Formula of 1901 γ_0 979.	HELMERT Formula of 1901 Δg_0 (mgal.)	HELMERT Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		34° 〃	135° 〃											
Iwaya Harbour	3636	35.2	01.2	2.36	IV 1	73333	7341	7338	6949	39.2	38.9	7107	23.4	23.1
			134°											
Ura Harbour	3637	32.3	59.8	3.59	〃	72203	7231	7227	6909	32.2	31.8	7066	16.5	16.1
Kariya Harbour	3638	30.7	59.5	3.50	〃	71513	7162	7158	6886	27.6	27.2	7043	11.9	11.5
Sano Harbour	3639	27.5	56.4	2.46	〃	71309	7139	7136	6841	29.8	29.5	6999	14.0	13.7
Shioda Harbour	3640	24.6	54.0	3.50	〃	71169	7128	7124	6801	32.7	32.3	6958	17.0	16.6
284	3641	20.3	54.2	2.35	〃	69275	6935	6932	6740	19.5	19.2	6898	3.7	3.4
Sumoto W. S.*	3647	20.2	54.3	111.40	IV 2	66913	7035	6910	6739	29.6	17.1	6896	13.9	1.4
283	3643	19.7	54.9	2.34	〃	69196	6927	6924	6732	19.5	19.2	6889	3.8	3.5
282	3646	18.8	55.3	3.05	〃	68841	6894	6890	6719	17.5	17.1	6877	1.7	1.3
281	3645	18.0	56.0	4.09	〃	68573	6870	6865	6708	16.2	15.7	6865	0.5	0.0
280	3644	17.3	56.9	1.60	〃	68798	6885	6883	6698	18.7	18.5	6856	2.9	2.7

* Weather Station Seismometer Room, on the Surface of the Concrete Block for Seismometer Installation.

Synoptic Results for Hyôgo Prefecture (V).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1953	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		34° ′	134° ′											
286	3648	20.4	52.0	7.93	IV 2	69823	7007	6993	6742	26.5	25.6	6899	10.8	9.9
289	3649	18.5	49.3	46.31	〃	68461	6989	6937	6715	27.4	22.2	6872	11.7	6.5
290	3650	18.0	48.3	49.29	〃	68277	6980	6925	6708	27.2	21.7	6865	11.5	6.0
291	3651	17.3	47.3	54.24	〃	67788	6946	6886	6698	24.8	18.8	6856	9.0	3.0
292	3652	16.7	46.4	42.17	〃	67769	6907	6860	6690	21.7	17.0	6847	6.0	1.3
294	3653	15.7	44.2	31.51	〃	68074	6905	6869	6676	22.9	19.3	6833	7.2	3.6
295	3655	15.3	43.3	1.97	〃	68579	6864	6862	6670	19.4	19.2	6828	3.6	3.4
298	3654	14.3	39.7	19.26	〃	68064	6866	6844	6656	21.0	18.8	6814	5.2	3.0

(28) Nara Prefecture.

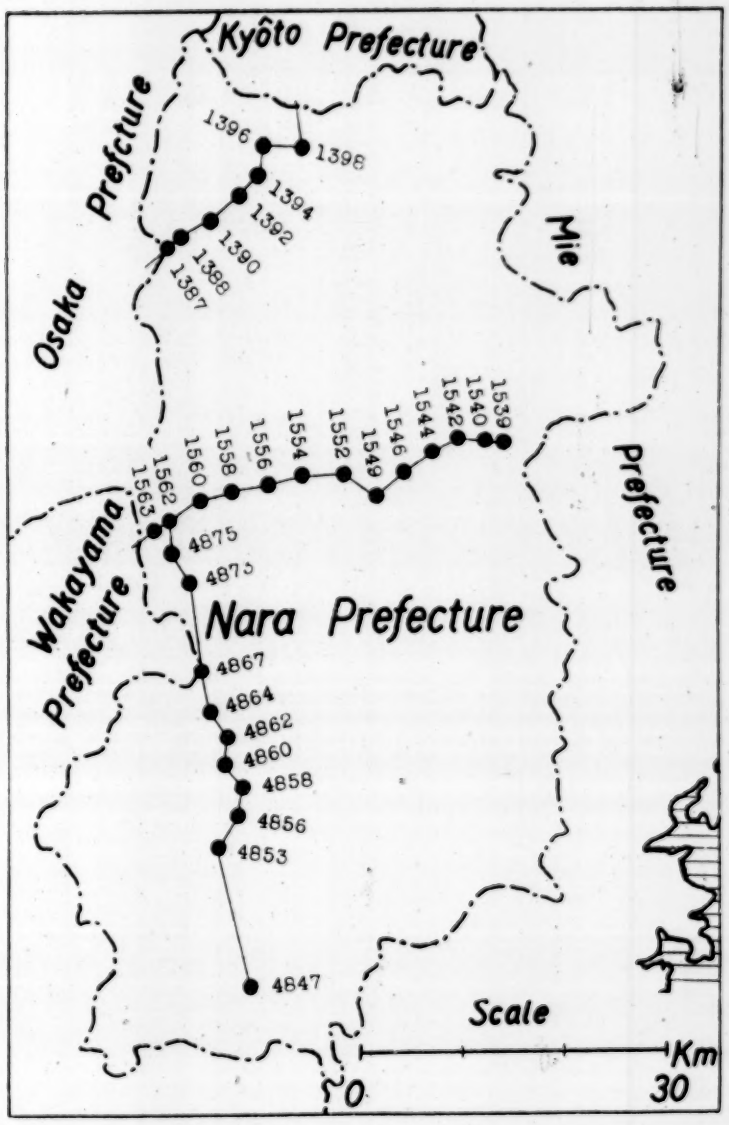

Fig. 7. Gravity Stations in Nara Prefecture.

Table XV. Synoptic Results for Nara Prefecture (I).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		34° ′	135°′											
1387	426	34.9	41.1	35.80	VI 23	74063	7517	7477	6945	57.2	53.2	7102	41.5	37.5
1388	425	35.7	42.1	35.65	〃	74189	7529	7489	6956	57.3	53.3	7114	41.5	37.5
1390	424	36.4	44.1	47.36	〃	73988	7545	7492	6966	57.9	52.6	7123	42.2	36.9
1392	423	37.4	45.8	53.81	〃	73534	7520	7459	6980	54.0	47.9	7137	38.3	32.2
1394	422	38.8	47.2	54.66	〃	72867	7455	7394	7000	45.5	39.4	7157	29.8	23.7
1396	421	40.7	47.6	64.34	〃	72596	7458	7386	7027	43.1	35.9	7184	27.4	20.2
1398	412	40.8	50.2	98.25	〃	71927	7496	7386	7028	46.8	35.8	7185	31.1	20.1

Synoptic Results for Nara Prefecture (II).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International Formula γ_0 979.	International Formula Δg_0 (mgal.)	International Formula $\Delta g_0''$ (mgal.)
		34° ′	135°′											
1563	591	20.4	40.4	113.35	VII 9	69851	7335	7208	6742	59.3	46.6	6899	43.6	30.9
J. 1562	592	20.8	41.9	103.98	〃	70083	7329	7213	6747	58.2	46.6	6905	42.4	30.8
〃	〃	〃	〃	〃	VII 10	70112	7332	7216	〃	58.5	46.9	〃	42.7	31.1
〃	〃	〃	〃	〃	VII 11	70116	7333	7216	〃	58.6	46.9	〃	42.8	31.1
〃	〃	〃	〃	〃	〃	70082	7329	7213	〃	58.2	46.6	〃	42.4	30.8
1560	593	22.2	43.5	148.97	VII 9	69810	7441	7274	6767	67.4	50.7	6924	51.7	35.0
1558	594	22.5	45.9	139.63	〃	70169	7448	7292	6771	67.7	52.1	6928	52.0	36.4
〃	〃	〃	〃	〃	VII 10	70174	7448	7292	〃	67.7	52.1	〃	52.0	36.4
1556	595	23.0	48.2	147.28	VII 9	70096	7464	7299	6778	68.6	52.1	6935	52.9	36.4
1554	596	23.4	50.8	155.95	〃	69909	7472	7298	6784	68.8	51.4	6941	53.1	35.7
〃	〃	〃	〃	〃	VII 10	69900	7471	7297	〃	68.7	51.3	〃	53.0	35.6
〃	〃	〃	〃	〃	〃	69929	7474	7300	〃	69.0	51.6	〃	53.3	35.9
1552	597	23.0	53.1	188.81	〃	68722	7455	7244	6778	67.7	46.6	6935	52.0	30.9
1549	598	22.4	55.1	198.53	〃	68173	7430	7208	6770	66.0	43.8	6927	50.3	28.1
1546	599	23.2	56.8	219.62	〃	68275	7505	7259	6781	72.4	47.8	6938	56.7	32.1

〃	〃	〃	〃	〃	〃	68295	7507	7261	〃	72.6	48.0	〃	56.9	32.3
1544	600	24.2	58.3	247.76	〃	68110	7576	7298	6795	78.1	50.3	6952	62.4	34.6
			136°											
1542	601	25.2	00.0	331.03	〃	66971	7719	7348	6809	91.0	53.9	6966	75.3	38.2
1540	602	25.2	02.3	406.01	〃	65291	7782	7328	6809	97.3	51.9	6966	81.6	36.2
1539	603	25.1	03.3	437.22	〃	64324	7782	7293	6808	97.4	48.5	6965	81.7	32.8

Synoptic Results for Nara Prefecture (III).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		34° ,	135°,											
4875	604	18.9	42.4	133.07	VII 11	69109	7322	7173	6721	60.1	45.2	6878	44.4	29.5
4873	605	17.7	43.3	160.17	〃	68765	7371	7192	6704	66.7	48.8	6861	51.0	33.1
4867	613	13.4	44.2	718.52	〃	58011	8019	7215	6644	137.5	57.1	6801	121.8	41.4
4864	612	11.2	44.4	413.23	〃	63146	7590	7127	6613	97.7	51.4	6770	82.0	35.7
4862	611	09.7	45.6	414.90	〃	62961	7577	7112	6592	98.5	52.0	6749	82.8	36.3
4860	610	08.4	45.1	395.52	〃	63588	7579	7137	6574	100.5	56.3	6731	84.8	40.6
4858	609	07.3	46.5	375.34	〃	63850	7543	7123	6558	98.5	56.5	6716	82.7	40.7
4856	606	05.8	45.9	322.66	〃	65377	7533	7172	6537	99.6	63.5	6695	83.8	47.7
4853	607	04.1	45.0	343.29	〃	64893	7549	7165	6513	103.6	65.2	6671	87.8	49.4
4847	608	01.4	47.1	257.96	〃	67169	7513	7224	6476	103.7	74.8	6634	87.9	59.0

(29) Wakayama Prefecture.

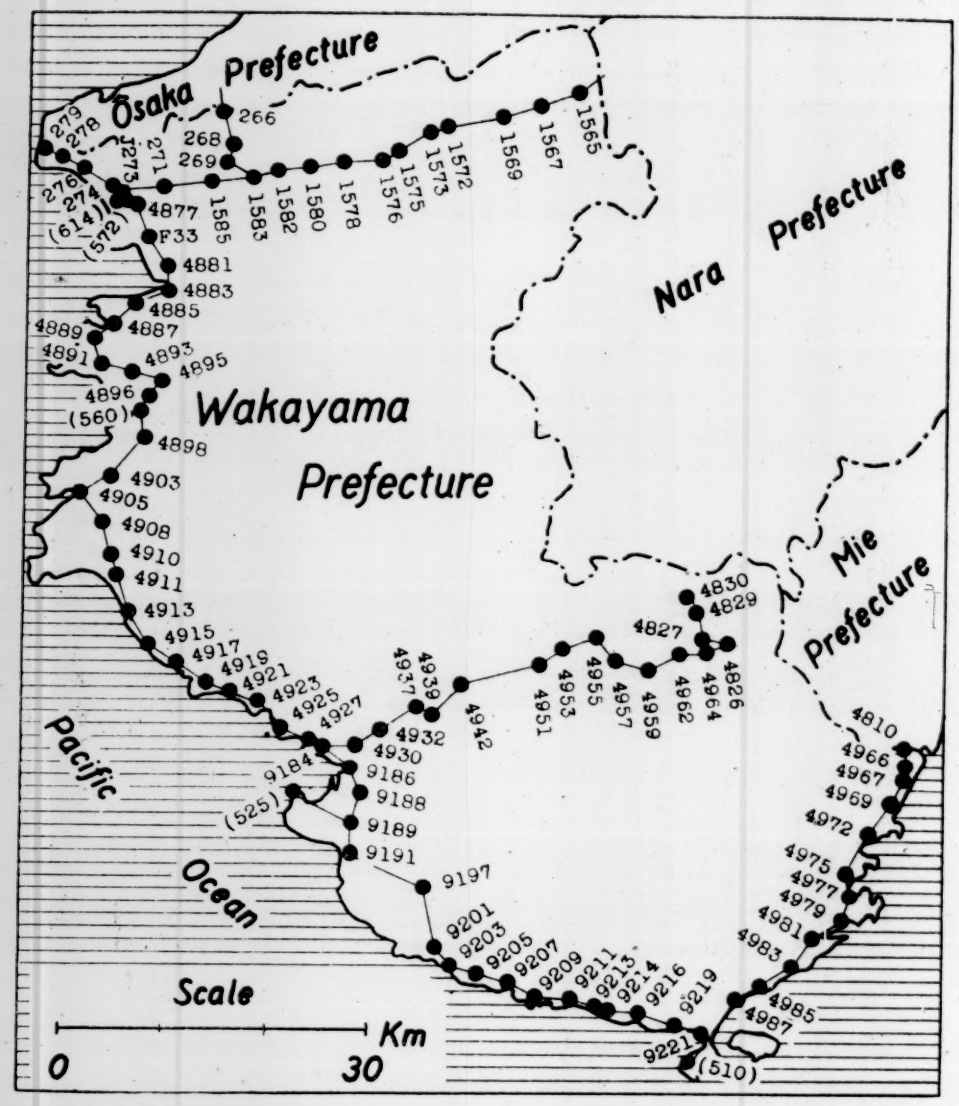

Fig. 8. Gravity Stations in Wakayama Prefecture.

Table XVI. Synoptic Results for Wakayama Prefecture (I).

B.M.	No.	φ	λ	H (m)	Date 1951	g 979.	g_0 979.	g_0'' 979.	Helmert Formula of 1901 γ_0 979.	Helmert Formula of 1901 Δg_0 (mgal.)	Helmert Formula of 1901 $\Delta g_0''$ (mgal.)	International formula γ_0 979.	International formula Δg_0 (mgal.)	International formula $\Delta g_0''$ (mgal.)
		34° ,	135°,											
279	577	16.3	04.7	5.74	VII 7	69452	6963	6957	6684	27.9	27.3	6842	12.1	11.5
278	576	15.9	05.6	10.42	〃	69457	6978	6966	6679	29.9	28.7	6836	14.2	13.0
276	575	14.9	07.6	6.44	〃	69055	6925	6918	6664	26.1	25.4	6822	10.3	9.6
274	574	14.3	09.7	2.13	〃	69640	6971	6968	6656	31.5	31.2	6814	15.7	15.4
J. 273	573	14.3	10.6	2.49	〃	69747	6982	6980	6656	32.6	32.4	6814	16.8	16.6
〃	〃	〃	〃	〃	VII 9	69764	6984	6981	〃	32.8	32.5	〃	17.0	16.7
Wakayama W.S.*	614	13.6	09.9	12.84	VII 14	70254	7065	7051	6646	41.9	40.5	6804	26.1	24.7
4877	571	13.4	11.1	2.23	VII 6	70496	7057	7054	6644	41.3	41.0	6801	25.6	25.3
F. 33	570	11.8	11.5	2.20	〃	70194	7026	7024	6621	40.5	40.3	6779	24.7	24.5
4881	569	10.0	12.6	7.66	〃	69917	7015	7007	6596	41.9	41.1	6754	26.1	25.3
4883	568	08.5	12.4	3.93	〃	69924	7005	7000	6575	43.0	42.5	6733	27.2	26.7
4885	567	07.8	10.5	51.83	〃	69008	7061	7003	6565	49.6	43.8	6723	33.8	28.0
4887	566	06.5	09.5	6.51	〃	70031	7023	7016	6547	47.6	46.9	6705	31.8	31.1
4889	565	05.9	08.1	19.74	〃	69707	7032	7010	6539	49.3	47.1	6696	33.6	31.4
4891	564	04.7	07.6	3.90	〃	69847	6997	6992	6522	47.5	47.0	6680	31.7	31.2
4893	563	04.3	10.1	11.79	〃	69878	7024	7011	6516	50.8	49.5	6674	35.0	33.7
4895	562	03.4	12.0	18.54	〃	69723	7030	7009	6504	52.6	50.5	6662	36.8	34.7
4896	561	02.4	11.6	7.50	〃	69642	6987	6979	6490	49.7	48.9	6648	33.9	33.1
4898	559	00.8	11.1	11.30	〃	69207	6956	6943	6467	48.9	47.6	6625	33.1	31.8
		33°												
4903	558	58.9	09.3	71.88	〃	67409	6963	6882	6441	52.2	44.1	6599	36.4	28.3
4905	557	57.5	07.5	3.75	〃	68466	6858	6854	6421	43.7	43.3	6579	27.9	27.5
4908	556	55.9	08.7	18.41	〃	68307	6888	6867	6399	48.9	46.8	6557	33.1	31.0
4910	540	53.8	09.4	3.96	VII 3	68615	6874	6869	6370	50.4	49.9	6528	34.6	34.1
4911	539	52.8	09.7	2.31	〃	68710	6878	6876	6356	52.2	52.0	6514	36.4	36.2
〃	〃	〃	〃	〃	VII 5	68712	6878	6876	〃	52.2	52.0	〃	36.4	36.2

* Weather Station, Outdoor Seismometer Pier.

Table XVI. (Continued)

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	Helmert Formula of 1901			International formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		33° ′	135°′											
4913	538	51.0	10.2	12.60	VII 3	68413	6880	6866	6331	54.9	53.5	6489	39.1	37.7
4915	537	49.5	11.3	6.32	〃	68419	6861	6854	6310	55.1	54.4	6468	39.3	38.6
4917	536	48.6	13.3	3.89	〃	68754	6887	6883	6297	59.0	58.6	6456	43.1	42.7
〃	〃	〃	〃	〃	VII 5	68768	6889	6884	〃	59.2	58.7	〃	43.3	42.8
4919	535	47.5	14.9	34.30	VII 3	68113	6917	6879	6282	63.5	59.7	6440	47.7	43.9
4921	534	46.7	16.5	35.21	〃	68164	6925	6886	6271	65.4	61.5	6429	49.6	45.7
4923	533	46.5	18.5	60.49	〃	67769	6964	6896	6268	69.6	62.8	6427	53.7	46.9
〃	〃	〃	〃	〃	VII 5	67783	6965	6897	〃	69.7	62.9	〃	53.8	47.0
4925	532	44.9	19.7	6.07	VII 3	68760	6895	6888	6246	64.9	64.2	6404	49.1	48.4
4927	531	44.4	21.5	3.81	〃	69100	6922	6918	6239	68.3	67.9	6397	52.5	52.1
J. 9184	528	43.8	23.0	4.17	〃	69303	6943	6939	6230	71.3	70.9	6389	55.4	55.0
〃	〃	〃	〃	〃	VII 4	69287	6942	6937	〃	71.2	70.7	〃	55.3	54.8
〃	〃	〃	〃	〃	VII 5	69306	6944	6939	〃	71.4	70.9	〃	55.5	55.0
9186	527	43.0	24.3	1.39	VII 3	69680	6972	6971	6219	75.3	75.2	6378	59.4	59.3
9188	526	41.5	25.3	15.19	〃	69562	7003	6986	6198	80.5	78.8	6357	64.6	62.9
〃	〃	〃	〃	〃	VII 4	69549	7002	6985	〃	80.4	78.7	〃	64.5	62.8
Shirahama M.B.S.*	525	41.4	20.5		VII 3	68679			6197			6356		
9189	524	40.5	24.8	14.40	〃	69409	6985	6969	6185	80.0	78.4	6343	64.2	62.6
〃	〃	〃	〃	〃	VII 1	69452	6990	6974	〃	80.5	78.9	〃	64.7	63.1
9191	523	38.9	24.4	4.29	〃	69527	6966	6961	6162	80.4	79.9	6321	64.5	64.0
9197	522	36.3	28.9	13.93	〃	70267	7070	7054	6126	94.4	92.8	6285	78.5	76.9
9201	521	33.0	29.8	3.26	〃	71098	7120	7116	6080	104.0	103.6	6239	88.1	87.7
9203	520	31.8	30.6	4.72	〃	71200	7135	7129	6064	107.1	106.5	6223	91.2	90.6
9205	519	31.3	32.3	18.60	〃	71153	7173	7152	6057	111.6	109.5	6216	95.7	93.6
9207	518	30.8	34.1	34.53	〃	71250	7232	7193	6050	118.2	114.3	6209	102.3	98.4

* Marine Biological Station Oceanographic Laboratory, on the Stand for Chemical Balances.

	9209	517	30.2	35.9	7.07	〃	72376	7259	7252	6042	121.7	121.0	6201	105.8	105.1
	9211	516	30.3	37.8	3.76	〃	73035	7315	7311	6043	127.2	126.8	6202	111.3	110.9
	9213	515	29.9	39.2	5.99	〃	73629	7381	7375	6037	134.4	133.8	6197	118.4	117.8
	9214	514	29.4	40.3	5.72	〃	73960	7414	7407	6031	138.3	137.6	6190	122.4	121.7
	9216	513	29.4	42.2	3.91	〃	74541	7466	7462	6031	143.5	143.1	6190	127.6	127.2
	9219	512	28.7	44.8	7.41	〃	74827	7506	7497	6021	148.5	147.6	6180	132.6	131.7
	9221	511	28.3	46.6	2.80	〃	75378	7546	7543	6015	153.1	152.8	6174	137.2	136.9
	〃	〃	〃	〃	〃	VI 30	75386	7547	7544	〃	153.2	152.9	〃	137.3	137.0
Shionomisaki	W.S.*	510	26.8	45.7	74.90	〃	73978	7629	7545	5995	163.4	155.0	6154	147.5	139.1
	4987	509	29.9	48.4	5.79	〃	75275	7545	7539	6037	150.8	150.2	6197	134.8	134.2
	4985	508	30.6	50.3	5.73	〃	75321	7550	7543	6047	150.3	149.6	6206	134.4	133.7
	4983	507	31.6	52.1	5.79	〃	75187	7537	7530	6061	147.6	146.9	6220	131.7	131.0
	4981	506	32.9	53.0	10.15	〃	74646	7496	7485	6079	141.7	140.6	6238	125.8	124.7
	4979	505	33.9	54.5	3.09	〃	74559	7465	7462	6093	137.2	136.9	6252	121.3	121.0
	4977	504	35.3	55.9	3.05	〃	74091	7419	7415	6112	130.7	130.3	6271	114.8	114.4
	4975	503	36.8	55.8	1.43	〃	73782	7383	7381	6133	125.0	124.8	6292	109.1	108.9
	4972	502	39.1	57.0	40.27	〃	72800	7404	7359	6165	123.9	119.4	6324	108.0	103.5
	4969	501	40.5	58.6	9.27	〃	72934	7322	7312	6185	113.7	112.7	6343	97.9	96.9
	4967	500	42.0	59.5	35.48	〃	72154	7325	7285	6205	112.0	108.0	6364	96.1	92.1
	4966	499	42.6	59.5	5.07	〃	72652	7281	7275	6214	106.7	106.1	6372	90.9	90.3
	J. 4810	497	43.7	59.3	9.42	〃	72465	7276	7265	6229	104.7	103.6	6388	88.8	87.7
	〃	〃	〃	〃	〃	VI 29	72451	7274	7264	〃	104.5	103.5	〃	88.6	87.6

* Weather Station, on Concrete Corridor.

Synoptic Results for Wakayama Prefecture (II).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		34° ′	135°′											
J. 271	578	14.5	13.1	5.56	VII 9	70259	7043	7037	6659	38.4	37.8	6817	22.6	22.0
1585	579	14.6	15.7	13.61	〃	70558	7098	7083	6660	43.8	42.3	6818	28.0	26.5
266	627	18.5	16.4	105.37	VII 15	68080	7133	7015	6715	41.8	30.0	6872	26.1	14.3
268	616	16.6	16.7	51.72	VII 14	69306	7090	7032	6688	40.2	34.4	6846	24.4	18.6
269	615	15.7	16.3	12.34	〃	70243	7062	7049	6676	38.6	37.3	6833	22.9	21.6
1583	580	14.8	18.3	18.85	〃	71185	7177	7156	6663	51.4	49.3	6821	35.6	33.5
〃	〃	〃	〃	〃	VII 9	71195	7178	7157	〃	51.5	49.4	〃	35.7	33.6
1582	581	15.0	19.3	22.79	〃	71190	7189	7164	6666	52.3	49.8	6824	36.5	34.0
1580	582	15.2	21.7	32.64	〃	70738	7175	7138	6669	50.6	46.9	6826	34.9	31.2
1578	583	15.8	24.0	40.12	〃	70368	7161	7116	6677	48.4	43.9	6835	32.6	28.1
1576	584	16.3	26.2	57.95	〃	70445	7223	7159	6684	53.9	47.5	6842	38.1	31.7
1575	585	16.6	27.4	60.54	〃	70739	7261	7193	6688	57.3	50.5	6846	41.5	34.7
1573	586	17.4	29.6	57.35	〃	70096	7187	7122	6700	48.7	42.2	6857	33.0	26.5
1572	587	17.6	30.9	56.76	〃	70120	7187	7124	6702	48.5	42.2	6860	32.7	26.4
1569	588	18.4	34.0	93.62	〃	69561	7245	7140	6714	53.1	42.6	6871	37.4	26.9
1567	589	18.8	36.5	84.55	〃	70068	7268	7173	6719	54.9	45.4	6877	39.1	29.6
1565	590	19.3	38.6	108.16	〃	69715	7305	7184	6726	57.9	45.8	6884	42.1	30.0
〃	〃	〃	〃	〃	VII 12	69694	7303	7182	〃	57.7	45.6	〃	41.9	29.8

Synoptic Results for Wakayama Prefecture (III).

B.M.	No.	φ	λ	H	Date	g	g_0	g_0''	HELMERT Formula of 1901			International Formula		
				(m)	1951	979.	979.	979.	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)	γ_0 979.	Δg_0 (mgal.)	$\Delta g_0''$ (mgal.)
		33° ′	135°′											
4930	529	44.1	24.5	14.27	VII 3	69384	6982	6966	6235	74.7	73.1	6393	58.9	57.3
4932	530	45.2	26.4	38.74	〃	69299	7050	7006	6250	80.0	75.6	6409	64.1	59.7
4937	542	46.2	28.5	351.68	VII 4	63115	7397	7003	6264	113.3	73.9	6422	97.5	58.1
4939	541	45.4	29.7	153.59	〃	67201	7194	7022	6253	94.1	76.9	6411	78.3	61.1
4942	543	47.4	31.4	113.11	〃	68345	7184	7057	6281	90.3	77.6	6439	74.5	61.8

	〃	〃	〃	〃	〃	VII	5	68343	7183	7057	〃	90.2	77.6	〃	74.4	61.8
	4951	544	48.4	36.6	340.98	VII	4	64636	7516	7134	6294	122.2	84.0	6453	106.3	68.1
	〃	〃	〃	〃	〃	VII	5	64626	7515	7133	〃	122.1	83.9	〃	106.2	68.0
	4953	545	49.3	37.7	459.73	VII	4	62363	7655	7141	6307	134.8	83.4	6465	119.0	67.6
	4955	546	49.9	39.6	507.54		〃	61629	7729	7161	6315	141.4	84.6	6474	125.5	68.7
	4957	547	48.6	40.9	324.60		〃	64904	7492	7129	6297	119.5	83.2	6456	103.6	67.3
	4959	548	48.2	42.6	241.29		〃	67052	7450	7180	6292	115.8	88.8	6450	100.0	73.0
	〃	〃	〃	〃	〃	VII	5	67041	7449	7179	〃	115.7	88.7	〃	99.9	72.9
	4962	549	48.4	44.4	147.56	VII	4	69514	7407	7242	6294	111.3	94.8	6453	95.4	78.9
	4964	550	48.9	45.9	102.21		〃	70610	7376	7262	6301	107.5	96.1	6460	91.6	80.2
J.	4826	551	49.0	47.5	54.75		〃	71733	7342	7281	6303	103.9	97.8	6461	88.1	82.0
	4827	552	49.6	46.4	76.40		〃	71072	7343	7258	6311	103.2	94.7	6470	87.3	78.8
	〃	〃	〃	〃	〃	VII	5	71062	7342	7257	〃	103.1	94.6	〃	87.2	78.7
	4829	553	51.2	46.1	92.98		〃	70708	7358	7254	6333	102.5	92.1	6492	86.6	76.2
	4830	554	52.0	45.6	81.71		〃	70578	7310	7219	6345	96.5	87.4	6503	80.7	71.6

ウォルドン重力計による日本全国の重力測定

第五報　近畿地方

坪井忠二・実川　顕・田島広一

これは，近畿地方における測定結果をまとめたものである．測定と計算との方法は，第一報のそれとほとんど同じであるから，こゝにはくりかえさない．結果は第 III 表～第 IX 表（ルート別），第 X 表～第 XVI 表（県別）に示してある．ブーゲー異常の分布は，第 9 図に示してある．

第 9 図からわかる主なことがらは，次のとおりである．

1) ブーゲー異常 $\Delta g_0''$ は，北方すなわち日本海の方へ向かっても，あるいは南方すなわち太平洋の方へ向かっても，共に大きくなる．日本海沿岸には $\Delta g_0'' = +48$ mgal. の所があり，太平洋岸には $+153$ mgal. の所がある．日本海沿岸では，等異常線は海岸線とほぼ並行している．たゞ若狭湾の西方においては，この傾向は稍乱れている．

2) 中央構造線は，WSW-ENE の方向を以て四国の中央部を走り，同じ方向を保って紀伊半島を横断していることが知られている．しかし，近畿地方南部における等異常線の方向は，上記の構造線の方向とは一致していない．これは興味のあることである．四国地方における重力異常は，中央構造線と密接に関係があると考えられるような地下異常質量分布を示しているのに対して，近畿地方においては，そうでない．これは注目すべきことである．

3) 大阪の近くに，$\Delta g_0''$ が極小になっている所がある．これはその下にある密度の小さい沖積層の影響であると考えられる．

4) 琵琶湖の形とほとんど完全に一致して，$\Delta g_0''$ が負の異常域がある．琵琶湖が陥落地域であることは知られているが，こゝの重力の負異常の大きさから考えると，この陥落の量は，現在の地形が示すよりも大きいものである．陥落面の勾配は西辺では東へ向かって急，東辺では西へ向かって緩かである．

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(V) 近畿地方

昭和29年12月

BULLETIN

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THE EARTHQUAKE RESEARCH INSTITUTE

TOKYO UNIVERSITY

SUPPLEMENTARY VOLUME IV

PART IV

Gravity Survey along the Lines of Precise Levels throughout Japan by Means of a WORDEN Gravimeter

Part V. Kinki District.

December, 1954

BOUGUER ANOMALIES IN THE KINKI DISTRICT BASED ON THE INTERNATIONAL FORMULA

o ----- GRAVIMETER STATIONS

SCALE
1 : 500,000

10 0 10 20 30 40 50 KM
5 0 10 20 30 Miles

Fig. 10 BOUGUER Anomalies in the Kinki District based on the International Formula. (mgal)